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The MAC NIFF HORTICULTURAL COMPANY INC.

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Spring Catalogue Seeds and Plants 1932

196 Greenwich Street, New York

MAMMOTH PLANT SALESROOMS

Two entire lofts devoted exclusively to the sales of Shrubs, Trees, Rose Bushes, Etc. Most Complete Assortment in N. Y. City

PLANT DEPARTMENT

SPECIAL OFFERINGS

Rose Bushes, Everblooming, 25c each; \$2.50 per Dozen

These are strong two-year old plants that will bloom the first season and continue to bloom for several years.

**FLOWERING SHRUBS, 25c each and up
PRIVET HEDGE, \$3.00 and \$4.00 per 100**

Strong plants with good, long root system.

JAPANESE BARBERRY HEDGE, \$5.00 per 100

The above items are only a few of the many we offer in our PLANT DEPARTMENT.

See list of Shrubs, Rose Bushes, Trees, Bulbs, etc., offered in this Catalogue.

During the Spring Season, starting about March 15th to 20th, we use two entire floors for the display of Nursery Stock, Potted Plants, Bedding Plants, Bulbs, etc., so that you may select your own stock and see what you are buying, avoiding the great risk you assume when ordering stock from out of town nurserymen.

We have three cellars stocked with all varieties of Fruit Trees, Ornamental Trees, Small Fruits, such as Raspberries, Gooseberries, Currants, etc.; Rose Bushes, vast assortments of Flowering Shrubs, Privet and Barberry Hedge Plants, Peony Roots and Summer Flowering Bulbs.

We have expert Nurserymen in charge of these cellars, so that stock is not allowed to become dry and worthless. Every plant is well mossed and the best of care used to keep the stock in good condition.

We know our customers will be pleased with this opportunity to be able to call on their way home from business and select what they need and carry it home to be planted the same day they receive it, thereby insuring success.

THE MACNIFF HORTICULTURAL CO., Inc.

**196 Greenwich Street, New York City
(Near Fulton Street)**

All Subways to Fulton St.—All Elevated Stations at Cortlandt St.

SPECIAL NOTICE:—

*Contrary to False Reports and Rumors
This Business is Still Owned and Operated
Exclusively by The Mac Niff Family*



Our Exhibit at The Hotel Commodore, American Dahlia Society Show September, 1931.

ORDERING, REMITTING, ACCOUNTING, FORWARDING, ETC.

Mail Orders Given Prompt Attention

No extra charge for postage on seeds in packets, ounces and quarter pounds. Add 10c per quart for peas, beans, corn and grass seed, if ordered to be sent by mail.

Remittances should be made by Express Money Order, P. O. Money Order, Bank Draft or Registered Letter. No goods sent C. O. D. unless 25 per cent. of their value accompanies the order. No perishable goods sent C. O. D.

We Forward as Customer Directs, by mail, express, freight or steamer. When no shipping instructions are given we send according to our judgment.

We Make No Charge for Shipping and Carting of goods to any railroad station, steamship line or express office in New York City proper.

We Make No Charge for Packing except on plants, for which we charge cost. We charge for cloth bags, viz.: 1 peck, 15c.; $\frac{1}{2}$ bushel, 20c.; 1 bushel, 30c.; 2 bushels, 50c.

We Guarantee Safe Arrival in the United States of all seeds.

Questions and Correspondence—We endeavor to answer promptly all letters of inquiry, which should be on separate paper from order.

The MacNiff Horticultural Co., Inc., gives no warranty, expressed or implied, as to description, quality, productiveness, or any other matter of any seeds and bulbs they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

UNITED STATES PARCEL POST RATES

Fourth Class Matter	First Pound or Fraction	Each Additional Pound or Fraction
Local Rate New York City	7c	1c
First Zone within 50 miles of New York	7c	1c
Second Zone within 150 miles of New York City	7c	1c
Third Zone within 300 miles of New York City	8c	2c
Fourth Zone within 600 miles of New York City	8c	4c
Fifth Zone within 1000 miles of New York City	9c	6c

On most of the articles listed in this catalog we have given the mailing weight.

Size of Parcel that can be sent by Parcel Post.

Size of package cannot be over 100 inches in length and girth combined.

The rate of postage on mailable parcels weighing 4 oz., or less, is 1c for each oz. or fraction thereof and on those weighing more than 4 ozs., the pound rates shown in table will apply.

Weights by Parcel Post.

Parcels up to 70 lbs. can be sent by parcel post to any zone.

To points further than the second zone on weight over 10 lbs., the charge by freight or express is usually more economical.

TESTED VEGETABLE SEEDS

STANDARD AND NEW VARIETIES

The seeds listed in this catalog are the best standard varieties which have stood the test and proven all that is claimed for them.

BEANS



GIANT STRINGLESS GREEN POD

Dwarf or Bush; Green Pod Varieties

One pound will plant 100 feet of drill.

	Pkt.	½ Pt.	Pt. or lb.	Qt. or 2 lbs.	Peck or 15 lbs.
Bountiful	\$0.10	\$0.20	\$0.35	\$0.65	\$3.75
Black Valentine .....	.10	.20	.35	.65	3.75
Dwarf Horticultural or Cranberry .....	.10	.20	.35	.65	3.75
Extra Early .....	.10	.20	.35	.65	3.75
Refugee .....	.10	.20	.35	.65	3.75
Earliest Red .....	.10	.20	.35	.65	3.75
Valentine .....	.10	.20	.35	.65	3.75
Giant Stringless Green-pod .....	.10	.20	.35	.65	3.75
Refugee or 1000 to 1 .....	.10	.20	.35	.65	3.75

DWARF, or BUSH BEANS

Yellow or Wax-Pod Varieties

One pound will plant 100 feet of drill.

	Pkt.	½ Pt.	Pt. or lb.	Qt. or 2 lbs.	Peck or 15 lbs.
Early Refugee	\$0.10	\$0.20	\$0.35	\$0.65	\$3.75
Wax .....	.10	.20	.35	.65	3.75
Improved Black .....	.10	.20	.35	.65	3.75
Wax .....	.10	.20	.35	.65	3.75
Improved Golden .....	.10	.20	.35	.65	3.75
Wax .....	.10	.20	.35	.65	3.75
Wardwell's Kidney Wax .....	.10	.20	.35	.65	3.75

BUSH LIMA BEANS

One pound will plant 200 feet of drill.

	Pkt.	½ Pt.	Pt. or lb.	Qt. or 2 lbs.	Peck or 15 lbs.
Burpee's Improved	\$0.10	\$0.30	\$0.45	\$0.80	\$4.50
Bush Lima .....	.10	.30	.45	.80	4.50
Dreer's Bush Lima .....	.10	.30	.45	.80	4.50
Early Fordhook .....	.10	.25	.40	.75	4.50
Henderson's Bush Lima .....	.10	.25	.40	.75	4.50

POLE LIMA BEANS

	Pkt.	½ Pt.	Pt. or lb.	Qt. or 2 lbs.	Peck or 15 lbs.
Dreer's Improved or Challenger	\$0.10	\$0.25	\$0.40	\$0.75	\$4.50
Early Leviathan .....	.10	.25	.40	.75	4.50
King of the Gar- den or Large White .....	.10	.25	.40	.75	4.50
New Ideal .....	.10	.25	.40	.75	4.50

BEANS, CLIMBING or POLE

Green and Wax Pod

One pound will plant 200 hills.

	Pkt.	½ Pt.	Pt. or lb.	Qt. or 2 lbs.	Peck or 15 lbs.
Golden Cluster Wax	\$0.10	\$0.25	\$0.40	\$0.75	\$4.50
Horticultural, or Cranberry .....	.10	.25	.40	.75	4.50
Old Homestead, or Kentucky Wonder .....	.10	.25	.40	.75	4.50
Scarlet Runner .....	.10	.25	.40	.75	4.50

BEETS

One ounce will sow 50 feet of drill, 5 to 6 pounds for an acre.

	Pkt.	Oz.	¼ lb.	lb.
Crosby's Extra Early Egyptian	\$0.10	\$0.15	\$0.40	\$1.25
Crimson Globe .....	.10	.15	.40	1.25
Detroit Dark Red .....	.10	.15	.40	1.25
Dewing's Improved Blood Turnip .....	.10	.15	.40	1.25
Early Blood Turnip .....	.10	.15	.40	1.25
Edmand's Blood Turnip .....	.10	.15	.40	1.25
Eclipse .....	.10	.15	.40	1.25
Electric .....	.10	.15	.40	1.25
Half-Long .....	.10	.15	.40	1.25
Long Smooth Blood .....	.10	.15	.40	1.25
White Sugar .....	.10	.15	.40	1.25
Swiss Chard or Spinach Beet .....	.10	.15	.40	1.25
Swiss Chard, Giant Lucullus .....	.10	.15	.40	1.25

MANGEL WURZEL BEETS

	Pkt.	¼ lb.	1 lb.
Colossal Long Red	\$0.10	\$0.25	\$0.60
Golden Tankard .....	.10	.25	.60

BROCCOLI

Similar to Cauliflower in growth and culture; flavor not as delicate; hardier and valuable in northern climates where Cauliflower does not thrive.

	Pkt.	Oz.	¼ lb.
Purple Cape	\$0.10	\$0.50	\$1.50
White Cape .....	.10	.50	1.50

BORECOLE or KALE

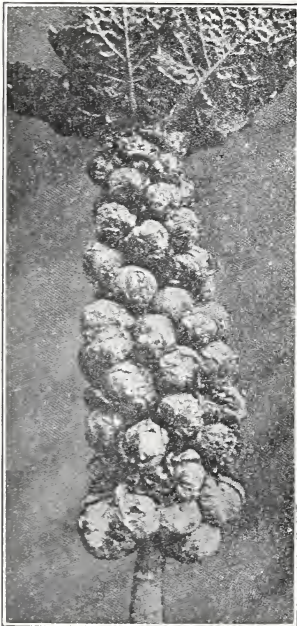
One ounce will sow 150 feet of drill.
Much grown for the production of "greens" for late Autumn or Winter use, quality improved by frost, endures almost zero weather. Used when cooked, like Spinach, and in natural state for garnishing. Thin or transplant to stand about 2 feet apart each way.

	Pkt.	Oz.	¼ lb.	1 lb.
Brown German	\$0.10	\$0.15	\$0.35	\$0.90
Dwarf Green Curled .....	.10	.15	.35	1.00
Scotch .....	.10	.15	.35	1.00
Siberian Kale, or Sprouts .....	.10	.15	.35	1.00

BRUSSELS SPROUTS

One ounce will sow 200 feet of drill.

	Pkt.	Oz.	¼ lb.	1 lb.
Dalkeith	\$0.10	\$0.20	\$0.60	\$2.00
Dwarf Improved .....	.10	.20	.60	2.00



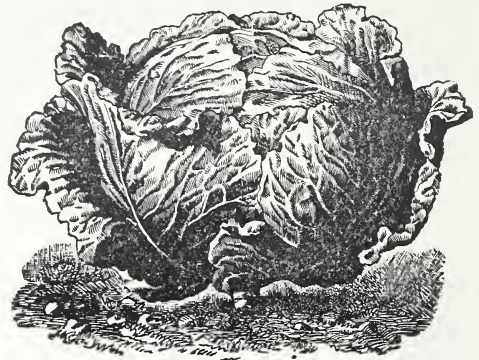
**DALKEITH
BRUSSELS SPROUTS**

CABBAGE

One ounce will produce 3,000 to 4,000 plants.

EARLY SUMMER CABBAGE

	Pkt.	Oz.	¼ lb.	1 lb.
Charleston, or Large Wakefield	\$0.10	\$0.25	\$0.75	\$2.50
Early Jersey .....	.10	.25	.75	2.50
Wakefield .....	.10	.25	.75	2.50
Early Spring .....	.10	.25	.75	2.50
Early Summer .....	.10	.25	.75	2.50

CABBAGE (Continued)

**CABBAGE
DRUMHEAD SAVOY**

MID-SEASON

	Pkt.	Oz.	¼ lb.	1 lb.
Premium Flat Dutch	\$0.10	\$0.25	\$0.75	\$2.50
Succession .....	.10	.25	.75	2.50

LATE CABBAGE

	Pkt.	Oz.	¼ lb.	1 lb.
Autumn King	\$0.10	\$0.25	\$0.75	\$2.50
Mammoth Rock Red .....	.10	.25	.75	2.50
Perfection Drumhead .....	.10	.25	.75	2.50
Savoy .....	.10	.25	.75	2.50
Selected Flat Dutch .....	.10	.25	.75	2.50
Chinese Petai .....	.10	.25	.75	2.50
Danish Ball Head .....	.10	.25	.75	2.50

CARROTS

	Pkt.	Oz.	¼ lb.	1 lb.
Chantenay Half Long	\$0.10	\$0.15	\$0.40	\$1.25
Danver's Improved .....	.10	.15	.40	1.25
Half Long .....	.10	.15	.40	1.25
Early French Forcing .....	.10	.15	.40	1.25
Early Scarlet Horn .....	.10	.15	.40	1.25
Long Orange .....	.10	.15	.40	1.25
Improved .....	.10	.15	.40	1.25
New York Market .....	.10	.15	.40	1.25
Oxheart or Gurande .....	.10	.15	.40	1.25
Half Long Red .....	.10	.15	.40	1.25
Stump Rooted .....	.10	.15	.40	1.25

CAULIFLOWER

One ounce of seeds will produce about 3,000 plants.

	Pkt.	½ oz.	1 oz.
MacNiff's Peerless	\$0.10	\$1.50	\$2.50
Selected Extra Early .....	.10	1.50	2.50
Dwarf Erfurt .....	.10	1.50	2.50
Snowball .....	.10	1.50	2.50

CELERY

One ounce will produce 5,000 plants.

	Pkt.	Oz.	¼ lb.
Giant Pascal	\$0.10	\$0.35	\$1.00
Golden Self-Blanching .....	.10	.60	2.00
White Plume .....	.10	.35	1.00
Winter Queen .....	.10	.35	1.00

CELERIAC, or TURNIP-ROOTED CELERY

One ounce will produce about 5,000 plants.

	Pkt.	Oz.	¼ lb.
Erfurt Giant	\$0.10	\$0.30	\$1.00
Large Smooth Prague .....	.10	.30	1.00

CHERVIL

One ounce will sow about 150 feet of drill.

Used for flavoring soups and salads, and for garnishing like Parsley but grows more rapidly and can be used sooner.

	Pkt.	Oz.	¼ lb.
Curled	\$0.10	\$0.25	\$0.75

CHICORY

One ounce will sow 100 feet of drill.

	Pkt.	Oz.	¼ lb.
Large Rooted	\$0.10	\$0.25	\$0.75
Whitloof Chicory .....	.10	.25	.75

COLLARDS

	Pkt.	Oz.	¼ lb.	1 lb.
True Georgia	\$0.10	\$0.15	\$0.30	\$1.00

CORN SALAD, or FETTICUS

One ounce will sow 150 feet of drill.

	Pkt.	Oz.	¼ lb.	1 lb.
Large Seeded	\$0.10	\$0.20	\$0.70	\$1.75

CRESS, or PEPPER GRASS

One ounce will sow about 100 feet of drill.

	Pkt.	Oz.	¼ lb.	1 lb.
Extra-Curled	\$0.10	\$0.15	\$0.35	\$1.00
Water Cress .....	.10	.35	1.30	4.50

CUCUMBER

One ounce for 50 hills, 2 pounds for 1 acre.

	Pkt.	Oz.	¼ lb.	1 lb.
Cool and Crisp	\$0.10	\$0.15	\$0.35	\$1.25
Everbearing .....	.10	.15	.35	1.25
Green Prolific .....	.10	.15	.35	1.25
Improved White Spine .....	.10	.15	.35	1.25
Japanese Climbing .....	.10	.15	.35	1.35
Livingston's				
Evergreen .....	.10	.15	.35	1.25
Long Green .....	.10	.15	.35	1.25
Short Green				
or Gherkin .....	.10	.15	.35	1.25

CORN

SWEET OR SUGAR

One pound will plant 200 hills; 8 to 10 quarts to an acre in hills.



SUGAR CORN

	Pkt.	½ Pt.	Pt. or lb.	Qt. or 2 lbs.	Peck or 14 lbs.
Corn, Early					
Red Cob	\$0.10	\$0.20	\$0.30	\$0.55	\$2.75
Cory, White					
Cob .....	.10	.20	.30	.55	2.75
Crosby's Early .....	.10	.20	.30	.55	2.75
Sugar .....	.10	.20	.30	.55	2.75
Early Minnesota .....	.10	.20	.30	.55	2.75
Early .....	.10	.20	.30	.55	2.75
Metropolitan .....	.10	.20	.30	.55	2.75
Golden Bantam .....	.10	.20	.30	.55	2.75

MID-SEASON

De Lues Golden .....	.10	.20	.30	.55	2.75
Giant .....	.10	.20	.30	.55	2.75
Black Mexican .....	.10	.20	.30	.55	2.75

LATE

Country					
Gentlemen .....	.10	.20	.30	.55	2.75
Stowell's					
Evergreen .....	.10	.20	.30	.55	2.75

DANDELION

One ounce will sow about 100 feet of drill.

	Pkt.	Oz.	¼ lb.	1 lb.
Large-Leaved	\$0.10	\$0.75		
Common .....	.10	.60	1.75	4.00

ENDIVE

One ounce will sow 150 feet of drill.

	Pkt.	Oz.	¼ lb.	1 lb.
Broad Leaved Batavian				
(Escarolle)	\$0.10	\$0.20	\$0.35	\$1.00
French Moss .....	.10	.20	.35	1.00
Curled .....	.10	.20	.35	1.00
White Curled .....	.10	.20	.35	1.00

EGG PLANT

One ounce will produce about 1,000 plants.

	Pkt.	Oz.	¼ lb.
Black Beauty	\$0.10	\$0.50	\$1.50
New York Improved			
Spineless .....	.10	.50	1.50

KALE, or BORECOLE

(See Borecole)

KOHL-RABI

One ounce will sow about 100 feet of drill.

	Pkt.	Oz.	¼ lb.	1 lb.
Early White Vienna	\$0.10	\$0.25	\$0.70	\$2.25
Early Purple Vienna .....	.10	.25	.70	2.25

LEEK

One ounce will sow about 100 feet of drill.

	Pkt.	Oz.	¼ lb.	1 lb.
American Flag	\$0.10	\$0.25	\$0.70	\$2.25
Large Rouen .....	.10	.25	.70	2.25
Musselburgh .....	.10	.25	.70	2.25

LETTUCE

One ounce will produce about 3,000 plants.

**NEW YORK IMPROVED LETTUCE**

	Pkt.	Oz.	¼ lb.	1 lb.
All Seasons	\$0.10	\$0.20	\$0.50	\$1.50
Big Boston .....	.10	.20	.50	1.50
Boston Market .....	.10	.20	.50	1.50
Early Curled Simpson .....	.10	.20	.50	1.50
Golden Queen .....	.10	.20	.50	1.50
Grand Rapids .....	.10	.20	.50	1.50
Improved Hanson .....	.10	.20	.50	1.50
May King .....	.10	.20	.50	1.50
New York .....	.10	.20	.50	1.50
Salamander Improved .....	.10	.20	.50	1.50

ROMAINE or COS. LETTUCE

Paris White Cos. ....	.10	.20	.50	1.50
Trion Self-Closing Cos. ....	.10	.20	.50	1.50

MUSTARD

One ounce will sow about 100 feet of drill.

	Pkt.	Oz.	¼ lb.	1 lb.
Black	\$0.10	\$0.15	\$0.60	\$0.60
Chinese .....	.10	.15	.25	.60
Giant Southern Curled .....	.10	.15	.25	.60
White London .....	.10	.15	.25	.60

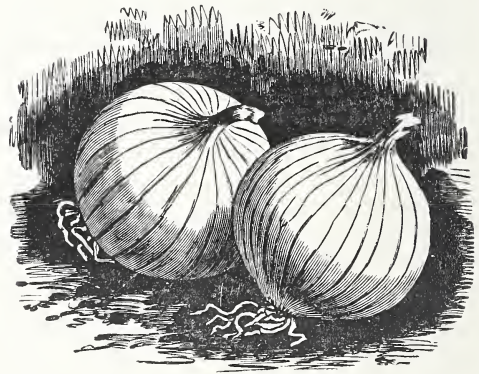
MUSKMELON

	Pkt.	Oz.	¼ lb.	1 lb.
Emerald Gem	\$0.10	\$0.15	\$0.35	\$1.25
Extra Early				
Hackensack .....	.10	.15	.35	1.25
Jenny Lind .....	.10	.15	.35	1.25
Miller's Cream or				
Osage .....	.10	.15	.35	1.25
Montreal Market .....	.10	.15	.35	1.25
Netted Gem .....	.10	.15	.35	1.25
Nutmeg Improved .....	.10	.15	.35	1.25
Paul Rose .....	.10	.15	.35	1.25
Rocky Ford Improved .....	.10	.15	.35	1.25

WATERMELON

One ounce will plant about 50 hills.

	Pkt.	Oz.	¼ lb.	1 lb.
Cole's Early	\$0.10	\$0.15	\$0.35	\$1.25
Florida Favorite .....	.10	.15	.35	1.25
Kolb's Gem .....	.10	.15	.35	1.25
Mountain Sweet .....	.10	.15	.35	1.25

ONIONS**SOUTHPORT WHITE GLOBE ONION**

One ounce will sow 100 feet of drill, 4 to 5 pounds, 1 acre.

	Pkt.	Oz.	¼ lb.	1 lb.
Ailsa Craig	\$0.10	\$0.35	\$1.00	\$3.00
Bermuda Red .....	.10	.40	1.00	3.50
Bermuda White .....	.10	.40	1.00	3.50
Giant White Garganus				
or Silver King .....	.10	.30	.75	2.75
Prizetaker .....	.10	.25	.75	2.50
Queen .....	.10	.25	.75	2.50
Southport White				
Globe .....	.10	.25	.75	2.50
Southport Yellow				
Globe .....	.10	.25	.75	2.50
Southport Red Globe .....	.10	.25	.75	2.50
Wethersfield .....	.10	.25	.75	2.50
White Portugal, or				
Silver Skin .....	.10	.25	.75	2.50
Yellow Globe Danvers .....	.10	.25	.75	2.50

ONION SETS

	Pt.	Ot.	Peck
Red Onion Sets	\$0.20	\$0.30	\$1.25
Yellow Onion Sets .....	.20	.30	1.25
White Onion Sets .....	.25	.40	1.50
Price of Onion Sets in larger quantities on application.			

OKRA, or GUMBO

One ounce will plant 100 hills.

	Pkt.	Oz.	¼ lb.	1 lb.
Dwarf Prolific	\$0.10	\$0.15	\$0.25	\$0.75
Improved Long Green .....	.10	.15	.25	.75
White Velvet .....	.10	.15	.25	.75

PARSLEY**EXTRA DOUBLE CURLED PARSLEY**

	Pkt.	Oz.	¼ lb.	1 lb.
Extra Double Curled	\$0.10	\$0.20	\$0.40	\$1.00
Emerald .....	.10	.20	.40	1.00
Hamburg .....	.10	.20	.40	1.00
Moss Curled .....	.10	.20	.40	1.00
Plain Leaved .....	.10	.20	.40	1.00

PARSNIPOne ounce will plant about 150 feet of drill,
5 or 6 lbs. to acre.

	Pkt.	Oz.	¼ lb.	1 lb.
Hollow Crown	\$0.10	\$0.15	\$0.25	\$0.75

PEASOne pound will plant about 100 feet of drill,
1½ to 2 bushels an acre.**FIRST EARLY**

	Pkt.	½ Pt.	Pt. or lb.	Qt. or 2 lbs.	Peck or 15 lbs.
American Wonder	\$0.10	\$0.20	\$0.35	\$0.60	\$3.60
Alaska .....	.10	.20	.35	.60	3.60
MacNiff's					
Earliest-of-all .....	.10	.20	.35	.60	3.60
Gradus or					
Prosperity .....	.10	.20	.35	.60	3.60
Little Gem .....	.10	.20	.35	.60	3.60
Nott's Excelsior .....	.10	.20	.35	.60	3.60
Premium Gem .....	.10	.20	.35	.60	3.60
Thomas Laxton .....	.10	.20	.35	.60	3.60

SECOND-EARLY or MID-SEASON

	Pkt.	½ Pt.	Pt. or lb.	Qt. or 2 lbs.	Peck or 15 lbs.
Abundance	\$0.10	\$0.20	\$0.35	\$0.60	\$3.60
Advancer .....	.10	.20	.35	.60	3.60
Everbearing .....	.10	.20	.35	.60	3.60
Horsford's Market					
Garden .....	.10	.20	.35	.60	3.60
Laxtonian .....	.10	.20	.35	.60	3.60
Stratagem .....	.10	.20	.35	.60	3.60

PEAS**LATE or MAIN CROP**

	Pkt.	¼ Pt.	Pt. or lb.	Qt. or 2 lbs.	Peck or 15 lbs.
Champion of					
England	\$0.10	\$0.20	\$0.35	\$0.60	\$3.60
Juno .....	.10	.20	.35	.60	3.60
Shropshire Hero .....	.10	.20	.35	.60	3.60
Telephone .....	.10	.20	.35	.60	3.60

FOR FIELD and COW

(See Field Seeds)

PEPPER

One ounce will produce about 1,500 plants.

	Pkt.	Oz.	¼ lb.	1 lb.
Large Bell, or Bull Nose	\$0.10	\$0.45	\$0.90	\$3.60
Long Red Cayenne .....	.10	.45	.90	3.60
Ruby King .....	.10	.45	.90	3.60
Sweet Mountain .....	.10	.45	.90	3.60

PUMPKIN

One ounce for 25 hills; 3 pounds for an acre.

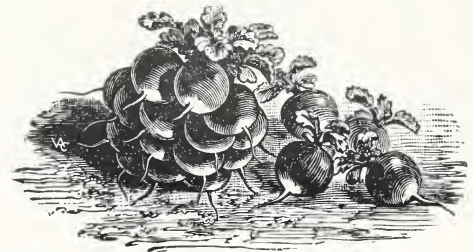
	Pkt.	Oz.	¼ lb.	1 lb.
Connecticut Field	\$0.10	\$0.15	\$0.30	\$0.80
Jumbo, or King				
of Mammoths .....	.10	.25	.60	1.50
Large Cheese .....	.10	.15	.30	.80
Large, or Mam-				
moth Tour .....	.10	.20	.50	1.50
Winter Luxury .....	.10	.15	.40	1.40

RADISH**WHITE TIPPED SCARLET TURNIP**

One ounce will sow about 100 feet of drill.

EARLY TURNIP-SHAPED VARIETIES

	Pkt.	Oz.	¼ lb.	1 lb.
Early Scarlet Turnip	\$0.10	\$0.15	\$0.25	\$0.90
Early White Turnip .....	.10	.15	.25	.90
Early Scarlet Globe .....	.10	.15	.25	.90
Rapid Forcing .....	.10	.15	.25	.90
White Tipped Early				
Scarlet Turnip .....	.10	.15	.25	.90

**OLIVE-SHAPED VARIETIES**

	Pkt.	Oz.	¼ lb.	1 lb.
French Breakfast	\$0.10	\$0.15	\$0.25	\$0.90

EARLY LONG VARIETIES

	Pkt.	Oz.	¼ lb.	1 lb.
Icicle	\$0.10	\$0.15	\$0.25	\$0.90

	Pkt.	Oz.	¼ lb.	1 lb.
Long Scarlet Short				
Top .....	.10	.15	.25	.90

	Pkt.	Oz.	¼ lb.	1 lb.
Long White Vienna,				
or Lady Finger .....	.10	.15	.25	.90

SUMMER VARIETIES

	Pkt.	Oz.	¼ lb.	1 lb.
Giant White				
Stuttgart	\$0.10	\$0.15	\$0.25	\$0.90
White Strasburg .....	.10	.15	.25	.90

WINTER VARIETIES

	Pkt.	Oz.	¼ lb.	1 lb.
Half-Long Black				
Spanish	\$0.10	\$0.15	\$0.25	\$0.90
Long Black Spanish .....	.10	.15	.25	.90
Rose China Winter .....	.10	.15	.25	.90

RHUBARB

SEE RHUBARB ROOTS

**SALSIFY or OYSTER
PLANT**

One ounce will sow 50 feet of drill.

The roots of Salsify are a highly esteemed nutritious Winter vegetable, some of which may be dug up in November, and stored in sand in the vegetable cellar, and some left in the open garden for use very early in the following Spring.

Mammoth Sandwich Island, Pkt., 10c, oz. 30c,
¼ lb. 85c., lb. \$2.75.

SPINACH

One ounce will sow about 100 feet of drill;
10 to 12 pounds an acre.

	Pkt.	Oz.	¼ lb.	1 lb.
Long Standing	\$0.10	\$0.15	\$0.20	\$0.50
New Zealand .....	.10	.15	.30	.80
Norfolk				
Savoy-Leaved .....	.10	.15	.20	.50
Prickly Seeded .....	.10	.15	.20	.50
Round Thick-Leaved .....	.10	.15	.20	.50
Victoria .....	.10	.15	.20	.50
Viroflay .....	.10	.15	.20	.50

SORREL

One ounce will sow 100 feet of drill

Broad-Leaved French. Pkt. 10c, oz. 20c, ¼lb. 60c.

SQUASH**SUMMER VARIETIES**

	Pkt.	Oz.	¼ lb.	1 lb.
Giant Bush Summer				
Crookneck	\$0.10	\$0.15	\$0.40	\$1.10
Golden Custard .....	.10	.15	.40	1.10
Vegetable Marrow .....	.10	.15	.40	1.10
White Bush Scal- loped, or "Patty Pan" .....	.10	.15	.40	1.10

AUTUMN or WINTER VARIETIES

	Pkt.	Oz.	¼ lb.	1 lb.
Boston Marrow	\$0.10	\$0.15	\$0.40	\$1.10
Golden Hubbard .....	.10	.15	.40	1.10
Hubbard .....	.10	.15	.40	1.10

TOMATOES**SECOND, EARLY AND MAIN CROP
VARIETIES**

	Pkt.	Oz.	¼ lb.	1 lb.
Acme	\$0.10	\$0.35	\$1.00	
Beauty .....	.10	.35	1.00	
Crimson Cushion .....	.10	.45	1.50	
Dwarf Champion .....	.10	.45	1.50	
Dwarf Stone .....	.10	.45	1.50	
Earliana .....	.10	.35	1.00	
Livingston's Globe .....	.10	.35	1.00	
Ponderous .....	.15	.50	1.75	
Stone .....	.10	.45	1.50	

**TOMATOES (Continued)
Preserving Tomatoes**

	Pkt.	Oz.	¼ lb.	1 lb.
Red Cherry	\$0.10	\$0.65	\$1.75	
Red Plum .....	.10	.65	1.75	
Red Peach .....	.10	.65	1.75	
Red Pear .....	.10	.65	1.75	
Yellow Cherry .....	.10	.65	1.75	
Yellow Pear .....	.10	.65	1.75	
Yellow Plum .....	.10	.65	1.75	

TURNIPS**WHITE VARIETIES**

One ounce will sow 200 feet of drill; 1 to 2
pounds an acre.

	Pkt.	Oz.	¼ lb.	1 lb.
Early White Milan	\$0.10	\$0.15	\$0.35	\$1.00
Extra Early Purple				
Top Milan .....	.10	.15	.35	1.00
Early Snowball .....	.10	.15	.25	.75
Early White Flat				
Dutch .....	.10	.15	.25	.75
Long White, or Cow				
Horn .....	.10	.15	.25	.75
Purple Top White				
Globe .....	.10	.15	.25	.75
Red, or Purple Top				
Strap Leaf .....	.10	.15	.25	.75
White Egg .....	.10	.15	.25	.75

YELLOW VARIETIES

	Pkt.	Oz.	¼ lb.	1 lb.
Golden Ball or Orange				
Jelly	\$0.10	\$0.15	\$0.25	\$0.75
Purple Top Yellow				
Aberdeen .....	.10	.15	.25	.75
Yellow Globe .....	.10	.15	.25	.75
Yellow Stone .....	.10	.15	.25	.75

RUTA BAGA**RUSSIAN, or SWEDISH TURNIP**

	Pkt.	Oz.	¼ lb.	1 lb.
Improved American				
Purple Top	\$0.10	\$0.15	\$0.30	\$1.00
Long Island				
Improved .....	.10	.15	.30	1.00

HERBS

	Pkt.	Oz.	1 lb.
Anise	\$0.10	\$0.20	
Balm .....	.10	.40	
Basil, Sweet .....	.10	.25	
Borage .....	.10	.30	
Caraway .....	.10	.20	
Catdoo .....	.10	.40	
Catnip or Catmint .....	.15	.50	
Chives .....	.15	.75	
Coriander .....	.10	.20	
Dill .....	.10	.15	
Fennel, Sweet .....	.10	.25	
Horehound .....	.10	.40	
Lavender .....	.15	.50	
Sweet Marjoram .....	.10	.25	
Rosemary .....	.10	.40	
Rue .....	.10	.40	
Saffron .....	.10	.40	
Sage .....	.10	.40	
Summer Savory .....	.10	.25	
Tarragon .....	.15	1.00	
Thyme .....	.15	.50	
Wormwood .....	.10	.30	

FLOWER SEEDS

WILD FLOWER—GRANDMOTHER'S

This collection contains many of the leading varieties of ANNUAL and PERENNIAL FLOWER SEEDS. The Annual Varieties will bloom the first season after sowing of seeds, and the following season the perennial varieties will blossom. Sow the above seeds in permanent border for best results.

Price, Pkt. 10c; 1 oz., 30c; 4 ozs., \$1.00; 1 lb., \$2.00

ASTERS

Simple's Branching Asters. Of American origin; late blooming, tall and producing a unique type of remarkably handsome, large blooms on long stems, unsurpassed for cutting. Separate colors as follows:

White	Shell Pink	Flesh Pink
Lavender	Crimson	Dark Blue
Purple	Carmine	Light Blue
Rose Pink	Lilac	Mixed Colors

Pkt.	1000 Seeds	1 oz.
\$0.10	\$0.50	\$1.00

Queen of the Early Asters. Valuable especially for their early blooming habit; flowers of medium size, appearing 2 to 4 weeks before those of the larger flowering varieties.

Rose Pink	Light Blue	Mixed Colors
White	Dark Blue	Lilac
Crimson	Purple	Lavender
	Shell Pink	

Pkt.	1000 Seeds	1 oz.
\$0.10*	\$0.50	\$1.00

Asters Victoria. Mixed Colors.
Asters Giant Comet. Mixed Colors.
Aster Crysanthemum. Mixed Colors.

Pkt.	1000 Seeds	1 oz.
\$0.10	\$0.50	\$1.00

SWEET ALYSSUM

	Pkt.	¼ oz.	1 oz.
Carpet or Snow	\$0.10	\$0.25	\$0.70
Dwarf Bouquet	.10	.25	.70
Little Gem	.10	.25	.70
Maritimum (Benthami)	.10	.20	.35

ACHILLEA

The Pearl, Hardy Perennial. Small Double White flowers throughout the season.

Pkt.	¼ oz.	1 oz.
\$0.10	\$1.00	\$3.50

AGERATUM

	Pkt.	¼ oz.	1 oz.
Mexicanum White	\$0.10	\$0.20	\$0.50
Mexicanum Blue	.10	.20	.50
Little Dorrit Blue	.10	.30	.75
Little Dorrit White	.10	.30	.75

AGROSTEMMA

	Pkt.	¼ oz.	1 oz.
Coronaria Finest Mixed	\$0.10	\$0.20	\$0.50

AMARANTHUS

	Pkt.	¼ oz.	1 oz.
Tricolor Splendens (Joseph's Coat)	\$0.10	\$0.20	\$0.75

ANEMONE (Wind Flower)

Hardy Perennial.	Beautiful Showy flowers.	Pkt.	¼ oz.	1 oz.
St. Brigid, mixed colors.		\$0.10	\$0.75	\$2.50

ANTIRRHINUM

(Snapdragon)

	Pkt.	¼ oz.	1 oz.
Giant Flowering Tall, Finest mixed varieties	\$0.10	\$0.30	\$0.60
Dwarf Varieties Mixed Colors	.10	.40	.75

AQUILEGIA (Columbine)

	Pkt.	¼ oz.	1 oz.
Single Varieties, Mixed	\$0.10	\$0.20	\$0.50
Double Varieties, Mixed	.10	.25	.75

BALSAM (Lady's Slipper)

	Pkt.	¼ oz.	1 oz.
Finest Double Mixed	\$0.10	\$0.15	\$0.45

BEGONIA

	Pkt.	¼ oz.	1 oz.
Vernon	\$0.15	\$1.25	\$4.00

BELLIS PERENNIS

(English Daisy)

	Pkt.	¼ oz.	1 oz.
Monstrosa Pink	\$0.10	\$1.00	\$3.00
Monstrosa Red	.10	1.00	3.00
Monstrosa White	.10	1.00	3.00
Monstrosa Mixed Colors	.10	1.00	3.00

CALLIOPSIS or COREOPSIS

	Pkt.	¼ oz.	1 oz.
Drummondii (Golden Wave)			
Annual	\$0.10	\$0.20	\$0.50
Lanceolata, Large, Golden			
Yellow Perennial	.10	.20	.50

CALENDULA

(Pot Marigold)

	Pkt.	¼ oz.	1 oz.
Meteor	\$0.10	\$0.20	\$0.50
Prince of Orange	.10	.20	.50
Finest Mixed Varieties	.10	.20	.50

CAMPANULA



CAMPANULA DOUBLE FLOWERING (Bellflower)

Hardy perennials and biennials bearing bell-shaped flowers; good border plants.

BIENNIAL VARIETIES CAMPANULA MEDIUM (Canterbury Bell)

	Pkt.	¼ oz.	1 oz.
Single Mixed	\$0.10	\$0.20	\$0.50
Double Mixed	.10	.30	.75

CANARY BIRD VINE

Fall climbing annual, Yellow Fringed Flowers.

	Pkt.	¼ oz.	1 oz.
	\$0.10	\$0.20	\$0.50

CANDYTUFT

(Iberis)

ANNUAL VARIETIES

	Pkt.	¼ oz.	1 oz.
Empress, Pure white, Large			
truss	\$0.10	\$0.20	\$0.50
Hybrids, Dwarf, mixed	.10	.25	.70

CARDINAL CLIMBER

	Pkt.	¼ oz.	1 oz.
Quamolit Scarlet	\$0.10	\$0.50	\$1.75

CASTOR OIL PLANT

(See Ricinus)

CHRYSENthemUMS

ANNUAL VARIETIES

	Pkt.	¼ oz.	1 oz.
Single Varieties in Many			
Colors, Mixed	\$0.10	\$0.20	\$0.50
Leucanthemum, mixed	.10	.35	.75
Double Varieties, mixed	.10	.20	.50
Hardy Perennial, mixed	.10	.35	.75

CARNATIONS



	Pkt.	¼ oz.	1 oz.
Hardy Garden, Finest			
Mixed Double	\$0.10	\$0.50	\$1.25
Giant Marguerite.			
Finest Mixed	.10	.50	1.25

CELOSIA CRISTATA

(Cockscomb)

	Pkt.	¼ oz.	1 oz.
Tall Mixed Colors	\$0.10	\$0.50	\$1.00
Dwarf Mixed	.10	.75	1.75

CELOSIA, THOMPSON'S FEATHERED Feathered or Plumed Celosia

	Pkt.	¼ oz.	1 oz.
Mixed Colors	\$0.10	\$0.30	\$0.75

CHILDSII

(Chinese Wool Flower)

	Pkt.	¼ oz.	1 oz.
Mixed Varieties	\$0.10	\$0.75	\$1.75

CORN FLOWER

(Centaurea Cyanus)

(Also called Blue Bottle, Bachelor's Button and Ragged Sailor.)

	Pkt.	¼ oz.	1 oz.
Single Mixed, Cyanus	\$0.10	\$0.20	\$0.50
Double Mixed, Cyanus	.10	.30	.75
Double Dark Blue, Cyanus	.10	.40	1.00

IMPERIAL SWEET SULTANS (Centaurea Imperialis)

	Pkt.	¼ oz.	1 oz.
Imperialis, Mixed Colors	\$0.10	\$0.40	\$1.00

CENTAUREA SILVER-LEAVED VARIETIES

	Pkt.	¼ oz.	1 oz.
Candidissima	\$0.10	\$0.75	\$1.75
Gymnocarpa (Dusty Miller)	.10	.40	1.00

COBAEA

	Pkt.	¼ oz.	1 oz.
Scandens, Blue	\$0.10	\$0.75	\$1.75
Scandens, White	.10	.85	2.00

CONVOLVULUS

(Morning Glory)

	Pkt.	1 oz.	¼ lb.
Major, mixed varieties, tall	\$0.10	\$0.15	\$0.50
Dwarf mixed varieties	.10	.15	.50

COSMOS**EARLY-FLOWERING DWARF****COSMOS**

Mixed	Pkt.	¼ oz.	1 oz.
	\$0.10	\$0.20	\$0.50

LATE GIANT-FLOWERING TALL**COSMOS**

	Pkt.	¼ oz.	1 oz.
Pink, White, Crimson	\$0.10	\$0.30	\$0.60
Lady Lenox, Pink	.10	.30	.60
Lady Lenox, White	.10	.30	.60
Mixed	.10	.30	.60

CYPRESS VINE

(Ipomaea Quamolit)

Mixed	Pkt.	¼ oz.	1 oz.
	\$0.10	\$0.30	\$0.75

DAHLIA

	Pkt.	¼ oz.	1 oz.
Single Mixed	\$0.10	\$0.30	\$0.75
Double Mixed	.10	.50	1.75

DELPHINIUM

(Perennial Larkspur)

	Pkt.	¼ oz.	1 oz.
Bella Donna, Light Blue	\$0.15	\$1.25	\$3.25
Chinese (Blue Butterfly)	.10	.50	1.00
Finest Mixed Chinensisii	.10	.50	1.00
Formosum Blue	.15	1.25	3.25
Gold Medal Hybrids, mixed	.10	.50	1.00

DIANTHUS

(Pinks)

DOUBLE ANNUAL VARIETIES**Barbatus.** See Sweet William.

Chinensis fl. pl. Mixed	Pkt.	¼ oz.	1 oz.
	\$0.10	\$0.30	\$0.60

SINGLE ANNUAL VARIETIES

	Pkt.	¼ oz.	1 oz.
Chinensis, Single Mixed	\$0.10	\$0.30	\$0.60
Heddewigii. Single flowered form	.10	.30	.60

DIDISCUS COERULEUS

Blue Lace Flower	Pkt.	¼ oz.	1 oz.
	\$0.10	\$0.50	\$1.75

DIGITALIS

(Foxglove)

Gloxinoides Varieties. Flowers Resemble Gloxinia blooms.

Finest Mixed	Pkt.	¼ oz.	1 oz.
	\$0.10	\$0.30	\$0.60

DOLICHOS

(Climbing Bean)

Hyacinth Bean, Mixed Colors	Pkt.	¼ oz.	1 oz.
	\$0.10	\$0.15	\$0.50

ESCHSCHOLTZIA

(California Poppy)

	Pkt.	¼ oz.	1 oz.
Finest Mixed Single	\$0.10	\$0.20	\$0.50
Finest Mixed Double	.10	.40	1.00

EUPHORBIA

Variegata	Pkt.	¼ oz.	1 oz.
	\$0.10	\$0.30	\$0.75

GAILLARDIA

(Blanket Flower)

ANNUAL VARIETIES

Lorenzia, fl. pl. mixed	Pkt.	¼ oz.	1 oz.
	\$0.10	\$0.30	\$0.75

GAILLARDIA**PERENNIAL VARIETIES**

Grandiflora. Mixed	Pkt.	¼ oz.	1 oz.
	\$0.10	\$0.30	\$0.75

GODETIA

Tall Finest Mixed	Pkt.	¼ oz.	1 oz.
	\$0.10	\$0.30	\$0.75
Dwarf Mixed		.40	1.00

GOURDS

(Ornamental)

Ornamental Finest Mixed	Pkt.	¼ oz.	1 oz.
	\$0.10	\$0.15	\$0.50

GYPSOPHILA

(Baby's Breath)

Paniculata White	Pkt.	¼ oz.	1 oz.
	\$0.10	\$0.30	\$0.75

HELIANTHUS

(Sunflower)

SINGLE ANNUAL VARIETIES

Cucumerifolius Stella	Pkt.	¼ oz.	1 oz.
(Cut-and-Come-Again)	\$0.10	\$0.20	\$0.60

DOUBLE ANNUAL VARIETIES

Tall Double Mixed	Pkt.	¼ oz.	1 oz.
	\$0.10	\$0.20	\$0.50

HELICHRYSUM

Everlasting or Straw Flower

Monstrosum fl. pl.	Pkt.	¼ oz.	1 oz.
Fine mixed	\$0.10	\$0.30	\$0.75

HOLLYHOCK**CHARTER'S STRAIN, DOUBLE VARIETIES BIENNIALS**

White
Crimson
Rose
Salmon

Scarlet
Yellow
Maroon
Newport Pink

Above named varieties	Pkt.	¼ oz.	1 oz.
	\$0.10	\$0.50	\$1.75
Tall Double Mixed		.10	.30
			1.00

HUMULUS

(Japan Hop)

	Pkt.	¼ oz.	1 oz.
Japonicus Climber	\$0.10	\$0.30	\$0.50

IPOMOEA

	Pkt.	1 oz.	4 oz.
Imperial Japanese Climbing			
Morning Glory	\$0.10	\$0.20	\$0.60
White Moon Flower .....	.10	.50	1.75

KOCHIA

	Pkt.	¼ oz.	1 oz.
Trichophylla, Summer Cypress, or Mexican Firebush.....	\$0.10	\$0.20	\$0.50

LARKSPUR

DOUBLE STOCK-FLOWERED
ANNUAL TYPE

	Pkt.	¼ oz.	1 oz.
Tall, Stock-Flowered Mixed.....	\$0.10	\$0.20	\$0.60
Dwarf, Stock-Flowered Mixed.....	.10	.30	.75

LATHYRUS LATIFOLIUS

	Pkt.	¼ oz.	1 oz.
Hardy Sweet Peas			
Mixed Colors	\$0.10	\$0.40	\$0.80

LOBELIA

ANNUAL DWARF COMPACTA

	Pkt.	¼ oz.	1 oz.
Emperor William Blue	\$0.10	\$0.50	\$1.75

LUPINUS

	Pkt.	¼ oz.	1 oz.
Mixed Colors	\$0.10	\$0.15	\$0.50

MARIGOLD

	Pkt.	¼ oz.	1 oz.
Little Brownie,			
Legion of Honor	\$0.10	\$0.20	\$0.50
African Tall, Mixed .....	.10	.30	.75
French Dwarf, Mixed .....	.10	.30	.75

MARVEL OF PERU

	Pkt.	1 oz.	4 oz.
Four O'Clock	\$0.10	\$0.15	\$0.50

MIGNONETTE

	Pkt.	¼ oz.	1 oz.
Machets Perfection	\$0.10	\$0.25	\$0.60
Odorata .....	.10	.20	.50

MOMORDICA

	Pkt.	¼ oz.	1 oz.
Balsamina—Balsam Apple	\$0.10	\$0.40	\$0.75

MYOSOTIS

(Forget-Me-Not)

	Pkt.	¼ oz.	1 oz.
Alpestris Blue	\$0.10	\$0.30	\$0.75

NASTURTIUMS

(Tropaeolum)

CLIMBING, OR TALL VARIETIES
Tall Varieties

	Pkt.	Oz.	¼ lb.	1 lb.
Finest Mixed	\$0.10	\$0.15	\$0.40	\$1.00

NASTURTIIUM DWARF BEDDING

Compact; bushy plants about a foot high; effective in beds and borders; produce very freely flowers similar in form and color to those of the tall varieties.

	Pkt.	Oz.	¼ lb.	1 lb.
Dwarf Finest Mixed	\$0.10	\$0.15	\$0.40	\$1.00



NASTURTIIUM

NEW GIANT-FLOWERED

These bear in great profusion during a long period, flowers of gigantic size in a great diversity of rich colors.

	Pkt.	Oz.	¼ lb.	1 lb.
Giant Tall Mixed	\$0.10	\$0.20	\$0.40	\$1.00
Giant Dwarf Mixed .....	.10	.20	.40	1.00

NICOTIANA

(Tobacco Plant)

	Pkt.	¼ oz.	1 oz.
Affinis	\$0.10	\$0.40	\$0.75

NIGELLA

(Love-in-a-mist)

	Pkt.	¼ oz.	1 oz.
Damascena, Devil-in-a-Bush Blue	\$0.10	\$0.20	\$0.60

PANSIES**PANSIES**

	Pkt.	¼ oz.	1 oz.
MacNiff's Special Mixture	\$0.15	\$0.75	\$1.75
Finest Mixed .....	.10	.69	1.50
Good Mixed .....	.10	.40	1.00

PENTSTEMON

	Pkt.	¼ oz.	1 oz.
Mixed	\$0.15	\$1.00	\$3.00

PETUNIAS

	Pkt.	¼ oz.	1 oz.
Howards Star, rich crimson	\$0.15	\$0.65	\$1.50
white in center .....	.10	.30	.75
Single Mixed Colors .....	.10	.30	.75
Double Mixed Colors .....	.30		

PORTULACA**SINGLE GRANDIFLORA**

	Pkt.	¼ oz.	1 oz.
Finest Mixed	\$0.10	\$0.30	\$0.75

DOUBLE GRANDIFLORA

	Pkt.	¼ oz.	1 oz.
Finest Mixed	\$0.10	\$0.60	\$2.00

POPPIES**SINGLE ANNUAL VARIETIES**

	Pkt.	¼ oz.	1 oz.
Glancum (Tulip Poppy)	\$0.10	\$0.30	\$0.75
Shirley Mixed .....	.10	.15	.50

DOUBLE ANNUAL VARIETIES

	Pkt.	¼ oz.	1 oz.
Carnation Flowered.			
Finest Mixed	\$0.10	\$0.15	\$0.50
Pacnoy-Flowered.			
Finest Mixed .....	.10	.15	.50

PERENNIAL VARIETIES

	Pkt.	¼ oz.	1 oz.
Oriental Scarlet	\$0.10	\$0.60	\$1.75
Oriental Mixed colors .....	.10	.70	2.00
Flanders Field Scarlet .....	.10	.15	.40

PYRETHRUM

	Pkt.	¼ oz.	1 oz.
Aureum Golden	\$0.10	\$0.30	\$0.75

PHLOX DRUMMONDI**PHLOX DRUMMONDI
(ANNUAL PHLOX)**

	Pkt.	¼ oz.	1 oz.
Grandiflora Varieties	\$0.10	\$0.50	\$1.25
Crimson .....	.10	.50	1.25
Lilac .....	.10	.50	1.25
White .....	.10	.50	1.25
Flesh .....	.10	.50	1.25
Primrose .....	.10	.50	1.25
Grandiflora, Mixed .....	.10	.35	1.00
Perennial Phlox Decussata,			
Large Flowering, Tall Hybrids. .....	.10	.65	2.00
Perennial Mixed .....	.10	.75	2.00
Large Flowering, Dwarf Hybrids			
Perennial Mixed .....	.10	.75	2.00

RICINUS**(Castor Oil Plant)**

	Pkt.	¼ oz.	1 oz.
Borboniensis arboreus	\$0.10	\$0.15	\$0.50
Cambodgensis .....	.10	.15	.50
Gibsoni .....	.10	.15	.50
Sanguineus .....	.10	.15	.50
Zanzibariensis, Mixed .....	.10	.15	.50
All Species Mixed .....	.10	.15	.30

RUDBECKIA

	Pkt.	¼ oz.	1 oz.
Yellow Golden Glow	\$0.15	\$0.50	\$1.50

SALPIGLOSSIS**(Painted Tongue)**

	Pkt.	¼ oz.	1 oz.
Grandiflora, Mixed	\$0.10	\$0.40	\$1.00

SALVIA**(Flowering Sage)**

	Pkt.	¼ oz.	1 oz.
Bonfire (Clara Bedman)	\$0.10	\$0.60	\$2.00
Splendens .....	.10	.40	1.40

SCABIOSA**(Mourning Bride, Sweet Scabious, Pin-Cushion Flower)****ANNUAL VARIETIES**

	Pkt.	¼ oz.	1 oz.
Tall Double, Finest Mixed	\$0.10	\$0.25	\$0.50

SWEET PEAS, CHOICE MIXED

In this mixture will be found all the finest high-grade varieties of the old favorite grandiflora type.

Pkt.	1 oz.	¼ lb.	1 lb.
\$0.10	\$0.15	\$0.30	\$1.00



MacNIFF'S SPECIAL SPENCER MIXTURE SWEET PEAS

SWEET PEAS

GIANT ORCHID-FLOWERED, OR SPENCER SWEET PEAS

This type of Sweet Peas, variously called "Orchid-Flowered," "Spencer" and "Waved" Sweet Peas, is for most uses a great improvement on the "Grandiflora" type. The Vines are very robust and tall; the wavy-petaled flowers are large and three or four often are borne on each of the very strong stems.

This collection of Sweet Peas is composed entirely of the large flowered Spencer types. The making up of this mixture has been performed under entirely careful supervision.

This is an unsurpassed mixture of Sweet Peas.

Pkt.	1 oz.	4 oz.	1 lb.
\$0.10	\$0.25	\$0.50	\$1.75

STOKESIA (Cornflower Astor)

	Pkt.	¼ oz.	1 oz.
Cyanea, Mixed	\$0.10	\$1.25	\$3.00

STOCKS (Gilliflower)

GIANT DOUBLE-FLOWERED

	Pkt.	¼ oz.	1 oz.
Dwarf Double Mixed	\$0.10	\$0.50	\$1.50
Tall Double Mixed .....	.10	.50	1.50

SCHIZANTHUS (Butterfly Flowers)

	Pkt.	¼ oz.	1 oz.
Hybridus Grandiflorus.			
Finest Mixed	\$0.10	\$0.15	\$0.50

SWEET WILLIAM (Dianthus Barbatus)

DOUBLE VARIETY

	Pkt.	¼ oz.	1 oz.
Mixed Double	\$0.10	\$0.40	\$1.00

SINGLE VARIETY

	Pkt.	¼ oz.	1 oz.
Mixed Single	\$0.10	\$0.30	\$0.60

VERBENAS

MAMMOTH FLOWERING

	Pkt.	¼ oz.	1 oz.
Hybrida Choice Mixed	\$0.10	\$0.30	\$0.75

VINCA (Madagascar Periwinkle)

	Pkt.	¼ oz.	1 oz.
Alba, White crimson eye	\$0.10	\$0.30	\$1.00
Alba pura, Pure white .....	.10	.30	1.00
Rosea. Bright rose, dark eye .....	.10	.30	1.00
Mixed Colors .....	.10	.25	.75

WALLFLOWER

ANNUAL VARIETIES

	Pkt.	¼ oz.	1 oz.
Single Finest Mixed	\$0.10	\$0.20	\$0.50
Double Mixed .....	.15	.75	2.50

ZINNIA

GIANT-FLOWERED DOUBLE VARIETIES

	Pkt.	¼ oz.	1 oz.
Dwarf Giant Flowering, mixed	\$0.10	\$0.30	\$1.00
Tall Giant Flowering, mixed .....	.10	.30	1.00
SCARLET			
YELLOW			
CRIMSON			
LILAC			
WHITE			
PINK			
ROSE			

Pkt.	¼ oz.	1 oz.
\$0.10	\$0.30	\$1.00

DAHLIA FLOWERED ZINNIAS

These mammoth flowering Zinnias have been named Dahlia Flowering on account of the immense size of the blooms.

SCARLET	ROSE
YELLOW	WHITE
CRIMSON	EXQUISITE
GOLDEN STATE	POLAR BEAR
PINK	

	Pkt.	¼ oz.	1 oz.
All above varieties	\$0.15	\$0.50	\$1.75
Mixed Colors .....	.10	.35	1.25

HARDY EVERBLOOMING ROSE BUSHES

Be sure to place dormant Rose Bushes in water over night after they are received. Do not put them in heated room or cellar. They must be kept cool, and moist until planted.



Strong two-year-old plants, Hybrid Teas and Teas, Greenhouse Grown

25c Each

\$2.50 per Dozen

Our selection of varieties. In this collection you will receive a good assortment of colors in the leading varieties. Each plant will be labeled.

Printed Instructions are sent out with each Rose order showing proper way to plant and take care of the plants to produce the most satisfactory results.

HARDY HYBRID PERPETUAL ROSES

Price 40c Each

These roses are what are known as June Roses and are extremely hardy. Some of the varieties listed below will give a second crop of blooms during the Fall season—varieties such as Mrs. John Laing, Hugh Dickson and Gen. Jacqueminot.

Baroness Rothschild. Beautiful large pink blooms.

Frau Karl Druschki. Snow white, immense size; in every respect the best white.

George Ahrends. Also known as the Red Druschki.

General Jacqueminot. Brilliant scarlet crimson; fragrant, splendid. Known as the Jack Rose.

Hugh Dickson. Intense crimson shaded scarlet. Large blossoms and very fragrant.

Magna Charta. Bright pink, suffused with carmine. Vigorous grower.

Mme. Gab Luizet. Beautiful large satiny pink.

Margaret Dickson. White with flesh center; vigorous.

Mrs. John Laing. Soft, clear, pink; immense blooms, fragrant.

Persian Yellow. Very strong grower.

Paul Neyron. Thornless large pink rose.

Prince Camille De Rohan. Deep Velvet maroon.

Soleil d'Or. Beautiful yellow buds, developing into Nasturtium red flowers.

Ulrich Brunner. Thornless Rose. Large flowers of light clear red. Very strong hardy rose.

EVERBLOOMING ROSE BUSHES

HARDY VARIETIES

WILL BLOOM CONTINUOUSLY ALL SUMMER

After plants are set in the ground be sure to cut back the stems so that only 6 to 8 inches of the stems remain above ground.

Send for printed instruction how to plant and care for roses to obtain the best results.

TWO YEAR OLD STRONG FIELD GROWN PLANTS

50 Cents Each

\$5.00 per Dozen

Regular price of these two-year-old plants is from \$1.00 to \$2.00 each



American Beauty. The well known carmine pink.

Betty Uprichard. Copper-red buds, opening to brilliant orange-carmine on outer surface of petals. Fragrant.

Columbia. Free bloomer, big flowers, true pink, fragrant.

Crusader. New, robust grower, free flowering rich velvety crimson.

Duchess of Wellington. Saffron yellow, fragrant flowers all the season.

Etoile de France. Red and velvety crimson; the most dependable of its color.

Francis Scott Key. Rich crimson red, immense size; good bloomer Spring and Fall.

General McArthur. Velvety, scarlet, large blooms, free flowering.

Gruss an Teplitz. Crimson scarlet; dependable; June till frost.

Hadley. Beautiful rich crimson, fragrant, hardy; garden or greenhouse.

Hoosier Beauty. Rich glowing crimson; excellent garden rose.

Jonkheer J. L. Mock. Petals cherry red outside, silver pink within; a splendid rose.

Kaiserin Augusta Victoria. A standard sort, large creamy white blossoms.

Killarney Pink. Long pointed buds. Flesh color, suffused pink, very fragrant.

Killarney Double White.

Lady Hillingdon. Clear apricot yellow; autumn blooming habit.

LaFrance. Bright to silvery pink, unique fragrance; a lovely rose.

Los Angeles. Luminous flame pink, shaded coral and yellow; a wonderful rose.

Mrs. A. Waddell. Yellowish copper.

Mrs. Ambrose Ricardo. Large blooms of deep yellow.

Miss Lolita, Armour. Chrome yellow orange and copper; free bloomer.

Mme. Caroline Testout. Satiny rose; a lovely rose; strong, vigorous bush; unsurpassed in merit in its color; dependable. A rose every one should plant.

Mme. Edouard Herriot. Coral-red buds, flower shaded yellow to scarlet. Won the Daily Mail \$10,000 prize.

Mme. Butterfly. Brilliant pink suffused apricot and gold sport of Ophelia.

Mrs. Aaron Ward. Deep Indian yellow; blooms all the season; pretty.

Ophelia. Salmon-flesh shaded rose; excellent, garden variety.

Premier. Rich dark pink; fine form, fragrant, thornless stems, vigorous, robust plant; a beautiful rose.

Pink Radiance. One of the best for northern locations. Very vigorous, blooms all Summer and Fall. Deep pink.

Red Radiance. Rich deep red; better than its splendid parent. Radiance.

Souv. De Claudius Pernet. The best yellow rose ever produced. Beautiful sunflower yellow.

Sunburst. Cadmium yellow; the yellowest of the everblooming roses.

Other Varieties of Roses in Stock in Addition to those listed

NEW VARIETIES OF EVERBLOOMING HYBRID TEA ROSES

75c each, \$7.50 per Dozen

Strong Two Year Old, Field Grown Plants

Dame Edith Helen. Sweetly scented substantial buds of vivid pink, borne on long, strong stems.

Etoile de Hollande. A dark red and very fragrant rose. Free bloomer, large size.

Feu Joseph Looymans. Long pointed buds of orange-bush with full flowers of vivid yellow and apricot. Sweet scented.

Lady Margaret Stewart. Golden yellow shaded and streaked with orange and red, lovely foliage.

Lord Charlemont. Deep crimson, very fragrant, well formed blooms.

Mevrouw G. A. Rossem. Buds dark orange with background of golden yellow, reverse petals deep bronze.

Mrs. Erskine Pembroke Thom. Well shaped blossoms of Canary Yellow. Blooms very freely.

Mrs. Henry Bowles. Fragrant flowers of clear pink, free bloomer.

Mrs. H. Morse. Two contrasting shades of pink with an underlying yellow tint. Fragrant, very free blooming.

Rev. F. Page Roberts. Double blooms of copper red opening to golden yellow. Very large and fragrant.

Talisman. Brilliant red and gold buds opening to well shaped blooms of scarlet-orange and rich yellow. Really a gorgeous rose.

Wilhelm Kordes. Long pointed double buds, flowers of deep golden salmon overspread with a tint of copper. Very fragrant and free bloomer.

RUGOSA MOSS AND POLYANTHA ROSES

Rugosa or Rock Rose. This type of Rose was introduced from China and Japan. They do well when planted singly to grow in bush form, attaining a height of 5 to 6 feet. We offer these in three colors (WHITE, PINK and RED), 50c each, \$5.00 per dozen, \$35.00 per hundred.

DWARF POLYANTHA ROSES

Polyantha Baby Type. These dwarf bush roses are very hardy and bloom continuously all

Summer. Wonderful for hedges, in beds or separate. We offer four colors (RED, PINK, WHITE and SALMON), 50c each, \$5.00 per dozen, \$35.00 per 100.

Moss Rose Pink. Beautiful Moss Buds. Grandmother's old favorites. Price 50c each; \$5.00 per dozen.

Moss Rose White. Same as above. Price, 50c each; \$5.00 per dozen.

Moss Rose Red. Same as above. Price 50c each; \$5.00 per dozen.

STANDARD CLIMBING TREE ROSES

Red, Pink, White and Yellow. Price, \$2.25 each; \$25.00 per dozen.

TREE ROSES, EVERBLOOMING VARIETIES

Red, Pink, White and Yellow. Price, \$2.50 each; \$27.00 per dozen.

CLIMBING ROSES

Price 40c Each

The varieties listed below are strong two and three-year-old plants. If set out in April they will bloom the first season.

Aviateur Bleriot. Small yellow buds of Saffron yellow. Very fragrant.

Blue Rambler. Buds of Purplish Blue color.

American Pillar. Light bright crimson white eye, yellow stamens, great clusters.

American Beauty Climbing. Rich carmine, fragrant; early abundant bloomer.

Christine Wright. Very large double pink.

Bess Lovett. Fragrant, bright, large crimson.

Crimson Rambler. Well-known crimson; flowers in clusters.

Dr. Van Fleet. Clear pink buds, glossy foliage; a superb rose.

Dorothy Perkins Pink. Beautiful pink flowers in great clusters.

Dorothy Perkins, White. Same shaped buds as pink variety.

Emily Gray. Best yellow.

Excelsa. An improved Crimson Rambler; immense clusters; very desirable.

Flower of Fairfield. Beautiful red flowering.

Gardenia. Pleasing yellow, turning to white on opening.

Hiawatha. Single deep crimson, shading to clear white at base of petals.

Kaiserin Augusta Victoria. Beautiful white. Everblooming.

Mary Wallace. Bright rose pink.

Paul's Scarlet. Semi-double shining scarlet; a very desirable rose.

Silver Moon. Faint yellow, changing to pure white. An extraordinary rose.

Seven Sisters. Large clusters, varying from rosy red to bluish white.

Tausendschoen. Also known as Thousand Beauties. Varying shades from pinkish white to carmine. Free bloomer.

HEDGE PLANTS



HARDY JAPANESE BARBERRY HEDGE

For northern sections where there is a possibility of the California Privet Hedge freezing out, we would advise making hedge of the Japanese Barberry. Without doubt the hardiest hedge grown. For prices see below.

PRIVET HEDGE

California Privet or Lignstrum
Ovalifolium

The Privet plants we are offering are not one year cuttings but plants that have been grown with good long root system. The tops have been cut back causing them to branch out near the roots which makes the best stock to use for Hedge purposes. Prices as follows:

Two-year-old, light grade, 12 to 18 inches high.

\$3.00 per 100; \$25.00 per 1,000
500 at the 1,000 rate

Two-year-old, heavy grade, well branched, 18 to 24 inches high.

\$4.00 per 100; \$35.00 per 1,000
500 at the 1,000 rate

Three-year-old. 2 to 3 foot plants. Used for screen work.

\$6.00 per 100; \$55.00 per 1,000

RHODODENDRONS AND JAPANESE AZALEAS

"Azaleas for May, Kalmia for June, Rhododendrons for July"

Azalea Japanese Hinodigiri. Beautiful bright scarlet flowers.

Plant, 10 to 12 in., \$2.00 Each;
\$20.00 per Dozen

Azalea Japanese Amoena. Low growing evergreen shrub, producing bright, rosy purple flowers in May.

Plants, 8 to 10 in., \$1.50 Each;
\$15.00 per Dozen

JAPANESE BARBERRY

Berberis Thunbergii. This beautiful bush is considered by many superior to Privet for a hedge on account of its thorns, which help to keep out animals. The pretty foliage turns reds in Autumn and this, with its abundant red berries, makes it very attractive. As a specimen shrub it is excellent, and grown in a mass is remarkably effective. Prices as follows: 2-year-old plants, 12 to 18 inches high, price \$5.00 per 100, 50 at 6 cents each, 25 plants at 7 cents each. 3-year-old plants, 12 to 18 inches high, price \$7.00 per 100, 50 at 10 cents each, 25 at 11 cents each.

Plants 18 to 24 inches high used for single or bush effect well branched, heavy set plants from 15c to 25c each. \$10.00 to \$20.00 per 100 according to age of plants from 3 to 4 years old.

Azaleas. Hardy native varieties 2½ to 3 foot high at \$2.00 to \$3.00 each.

RHODODENDRONS

We have in our salesrooms during the Spring Season the native hardy varieties which are used for foliage effect which we retail at \$1.50 to \$3.00, according to size of plants from 2 to 4 foot high.

Hybrid sorts, red, pink, rose, purple and white 12 to 18 inches high at \$4.50 ea.

EVERGREENS and BOXWOODS

We can supply, throughout the Spring season, Evergreens and Boxwoods in good assortment, ranging in price from 75 cents each up. We have these in our salesrooms at proper time for planting outdoors, starting in the early part of April.

DECIDUOUS FLOWERING SHRUBS

All Shrubs listed below are strong two and three-year-old plants.

	Each
Almond Pink. Our Almonds are grafted on Prunifolia. They thrive better than when grafted on Peach. Beautiful double rose-shaped blooms on full length of stem. Extra strong Plants	.50
Almonds White. Beautiful double rose-shaped blooms on full length of stem. Extra strong Plants	.50
Althea. Red Rose of Sharon, flowers after other shrubs are through blooming. Medium size Plants	.25
Extra large Plants	.40
Althea. Pink Rose of Sharon, flowers after other shrubs are through blooming. Medium size Plants	.25
Medium size Plants	.40
Althea. White Rose of Sharon, flowers after other shrubs are through blooming. Medium size Plants	.25
Extra large Plants	.40
Aralia Pentaphylla. Very distinct shrub. Yellowish green flowers.	.50
Aronia Arbutifolia. White flowers, with red berries. Flower in April and May, 3 to 4 foot specimen plants	.75
Buddleia Magnifica. Summer lilac. Strong. plants; blooms mid-summer till frost. Medium size Plants	.25
Extra strong Plants	.40



BUDDLEIA BUTTERFLY BUSH

Bridal Wreath. See <i>Spiraea Thunbergii</i> .	
Callicarpa Purpurea. White flowers, followed with violet berries. Flower August until mid-winter	.50
Calycanthus. Sweet or strawberry shrub, Carolina Alsipce. Flowers chocolate color. Blooms in May. Specimen Plants	.50
Clethra Alnifolia. Fragrant white. Flowers during July and August. Specimen Plants 2 to 3 feet	.60

Coral Berry. See <i>Symphoricarpus</i> .	Each
Cornus Florida. Large White Flowering Dogwood. Strong growing shrub or tree. Specimen Plants, 2 to 3 feet high	.85
Cornus Amomum. Silky Dogwood. Extra strong Plants, 2 to 3 feet	.50
Cornus Sanguinea. Well known red branched Dogwood. Very attractive in winter with its blood red branches. Plants 2 to 3 feet high	.40
Cornus Siberica. Bright red bark in winter. Plants 2 to 3 feet	.40
Specimen Plants	.50
Cornus Stolonifera. Branches red, usually red in winter with white fruit. Plants 2 to 3 feet high	.30
3 to 4 feet	.60
Crab Flowering. See <i>Malus</i> .	
Cydonia Japonica. Red flowering Japanese Quince. Very beautiful. Flowers in early Spring. Plants 18 to 24 inches	.50
Plants 2 to 3 feet high	.75
Desmodium Penduliflorum. Beautiful reddish purple flowers in August	.60
Deutzia Candida. Double pure white flowering. Plants 18 to 24 inches high	.25
2 to 3 feet high	.50
Deutzia Crenata. Double Pinkish White. Plants 18 to 24 inches high	.25
Plants 2 to 3 feet high	.50
Deutzia Gracilis. Dwarf compact shrub. Pure white flowers. Price	.50
Deutzia Pride of Rochester. Double Pink flowering. Plants 18 to 24 inches	.25
Specimen Plants, 2 to 3 feet	.50
Deutzia Lemoine Double White flowering. 18 to 24 in. high	.35



DEUTZIA LEMOINE

Deutzias bloom in spring or early summer.

Dogwood. See <i>Cornus</i> .	
Exochorda Grandiflora. Pearl Bush. Dazzling white flowers in May. Specimen Plants	.50
Forsythia Fortunei. Golden Bell flowers in April. Medium size Plants, 2 to 3 feet high	.35
Extra large Plants, 3 to 4 feet	.60
Forsythia Intermedia. Yellow Flowering Bells. Bloom in April.	.35
2 to 3 feet	.65
3 to 4 feet	

DECIDUOUS FLOWERING SHRUBS (Continued)

	Each
Forsythia Suspensa. Golden Bells pendulus in habit. Beautiful Shrub blooms in April.	
18 to 24 inches .....	.35
Extra large Plants, 2 to 3 feet .....	.60

Forsythia Viridissima. Yellow flowering in April. Medium size Plants 18 to 24 inches	.25
Large Plants, 2 to 3 feet .....	.40
Specimen Plants, 3 to 4 feet65

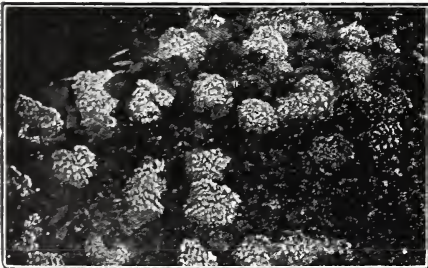
Hamamelis Virginiana. Bright yellow flowers, in late Autumn. Price60
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HYDRANGEA PANICULATA GRANDIFLORA (Bush Form)



Hydrangea. Paniculata Grandiflora. Bush Form. Large white cone-shaped flowers in late Summer, turning dark pink in Fall.	
Plants, 12 to 18 inches .....	.25
Plants 18 to 24 inches .....	.40
Plants, 2 to 3 feet .....	.50

HYDRANGEA ARBORESCENS



Hydrangea Arborescens. Mountain of snow. Beautiful white flowering shrubs, grows 4 to 5 feet high. Large clusters of white flowers, measuring 4 to 6 inches across. Flowers from early June to late July.	
Plants, 18 to 24 inches, 25c ea., dozen	2.50
Plants, 2 to 3 feet, 50c ea., dozen	5.00

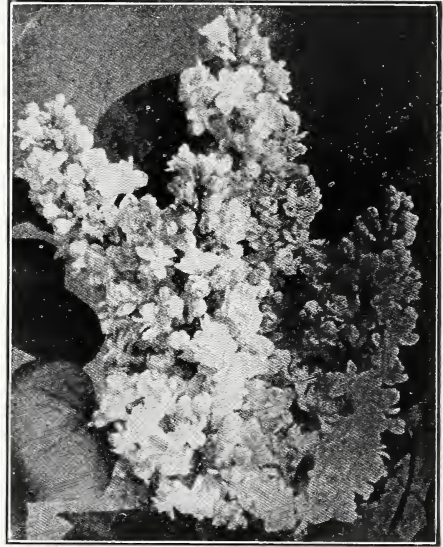
TREE HYDRANGEA
See Ornamental Trees

Honeysuckle Bush. See <i>Lonicera</i> .	Each
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Japan Quince. See *Cydonia*.

Kerria Japonica. Yellow flowers, June to October.	
Plants, 2 to 3 feet .....	.75

Lilac. Large purple flowering. Plants 18 to 24 inches .....	.25
Plants, 2 to 3 feet .....	.40
Plants 3 to 4 feet .....	.60



FRENCH LILACS

Lilac. Large white flowering. Plants 18 to 24 inches .....	.40
Specimen Plants, 2 to 3 feet .....	.60

LILACS—FRENCH DWARF

Lilac Chas. X. Reddish purple, 18 to 24 inches .....	.60
2 to 3 feet .....	.75
Lilac Mme. Lemoine, white, 18 to 24 inches .....	.60
2 to 3 feet .....	.75
Lilac Pres. Grevy, Violet, 18 to 24 inches .....	.60
2 to 3 feet .....	.75
Lilac Ludwig Spaeth, Red, 18 to 24 inches .....	.60
2 to 3 feet .....	.75

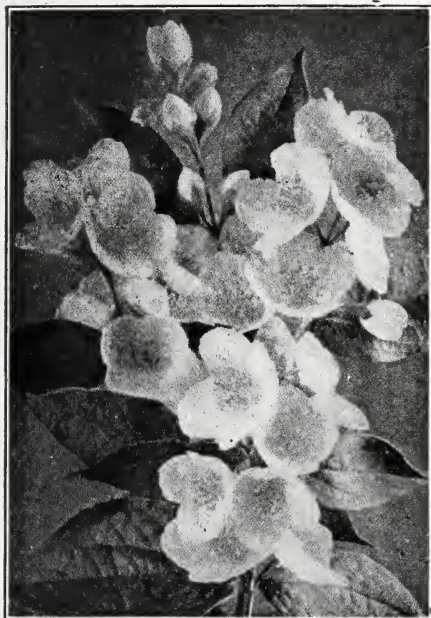
Lonicera. Fragrantissima; Bush Honeysuckle. plants, 18 to 24 inches .....	.25
Specimen Plants, 2 to 3 feet .....	.50

Lonicera, Morrowii. Drooping habit, white flowers in May, bright red fruits during summer and autumn months. Plants 2 to 3 feet50
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Mock Orange. See *Philadelphus*.

DECIDUOUS FLOWERING SHRUBS (Continued)

	Each
Philadelphus. Coronarius Mock Orange, also known as fragrant Syringa. Very sweet scented white flowers. Blooms in May.	
Plants, 18 to 24 inches .....	.25
Plants, 2 to 3 feet .....	.35
Specimen Plants, 3 to 4 feet .....	.50



PHILADELPHUS

Plums Flowering. See *Prunus*.

Ptelea Trifoliata. Flat hop-like fruit in clusters. Plants, 3 to 4 feet75

Pussy Willow. See *Salix*.

Rose of Sharon. See *Althea*.

Salix Caprea. Pussy Willow. Very ornamental in Spring, with its Pussy buds and also a very rapid growth shrub for screen work. Plants, 2 to 3 feet25
Per dozen 2.50

Sambucus Canadensis. Broad beads of white flowers. in June, with dark red berries. In Autumn, known as the Elderberry. Specimen plants, 3 to 4 feet60

Snowball. See *Viburnum*.

Snowberry and Coral Berry. See *Symphorcarpus*.

Spiraea Anthony Waterer. Dwarf habit grows about 2 feet. Purplish red flowers. In bloom entire Summer and Fall. Plants, 15 to 18 inches25
Plants, 18 to 24 inches40

Spiraea Froebeli. Same as Anthony Waterer, but more sturdy in habit. Flowers rose color. Plants, 12 to 18 inches25
Plants, 18 to 24 inches40

Spiraea Billardi. Bright pink flowers during July and August. Plants, 18 to 24 inches25
Plants, 2 to 3 feet45

Spiraea Opulifolia. Flat clusters of white flowers in June, followed with red fruit. Very ornamental shrub. Plants, 2 to 3 feet30
Plants, 3 to 4 feet60

Spiraea Prunifolia. Bridal Wreath Blooms early Spring, 2 to 3 feet60

Spiraea Reevesiana. Rapid grower. Double white flowers, 2 to 3 feet50

Spiraea Van Houttei. Graceful pendulas white flowers and beautiful foliage. Makes a wonderful hardy hedge and beautiful when grown as specimen plants. Blooms in June.

	Each	Dozen
Plants, 18 to 24 inches .....	.25	2.50
Plants, 2 to 3 feet .....	.35	3.50
Plants, 3 to 4 feet .....	.40	4.00
Plants, 4 to 5 feet .....	.60	6.00



SPIRAEA VAN HOUTTEI

Spiraea Thumbergii. Blooms early in Spring. Drooping white flowers. Sometimes called Bridal Wreath. Plants, 18 to 24 inches25
Plants, 2 to 3 feet40

Stephandra Flexuosa. Leaves finely cut like the Japanese maple, which turn red in the Fall. Mass of small white blossoms. Very ornamental shrubs. Plants, 2 to 3 feet60

Summer Lilac. See *Buddleia*.

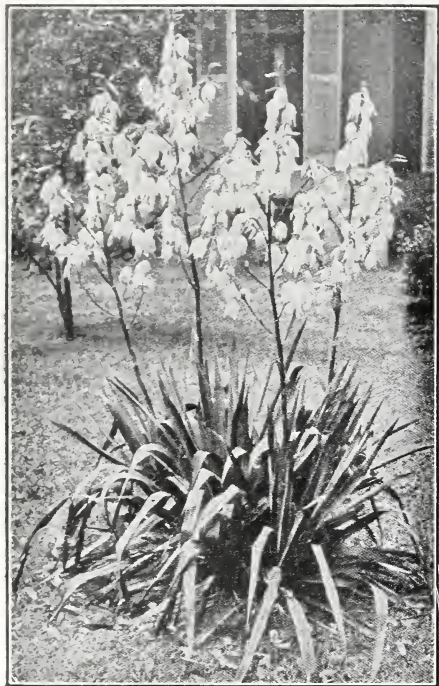
Sweet Shrub. See *Calycanthus*.

Symphorcarpus. Racemosus. Snowberry. Pink flowers with white berries in the Fall. Plants, 18 to 24 inches25
2 to 3 feet40

Symphorcarpus Vulgaris. Known as the Coral Berry. Has purple berries. Plants, 18 to 24 inches25
Plants, 2 to 3 feet40

DECIDUOUS FLOWERING SHRUBS (Continued)

Syringa. See Philadelphia.



YUCCA FILAMENTOSA

Adam's Needle

Each

Yucca Filamentosa. Adam's Needle. Stems of white bell-shaped flowers, 4 to 6 ft. high. Very hardy and beautiful. Extra strong three-year-old plants, each25
Dozen 2.50

Tamarix Africana. Has fine feathery foliage. Delicate pink flowers. Specimen Plants.... .50

Virburnum Dentatum. Greenish white flowers, turning to dark blue berries in Fall. Leaves also turn purplish-red in Fall. Plants, 2 to 3 feet50

Virburnum Opulus Sterile. Snowball. Very ornamental shrubs with white ball-shaped flowers. Plants, 2 to 3 feet, each50

Virburnum Plicatum. Japanese Snowball. The white balls of flowers are often three inches across. Plants, 18 to 24 inches60
Plants, 2 to 3 feet80

Each

Virburnum Tomentosum. The flowers are more flat than the Plicatum. Red fruits changing to black. Plants, 2 to 3 feet..... .60

Weigelia Amabilis. Vigorous growing shrub with light pink flowers. Plants, 18 to 24 inches, each25

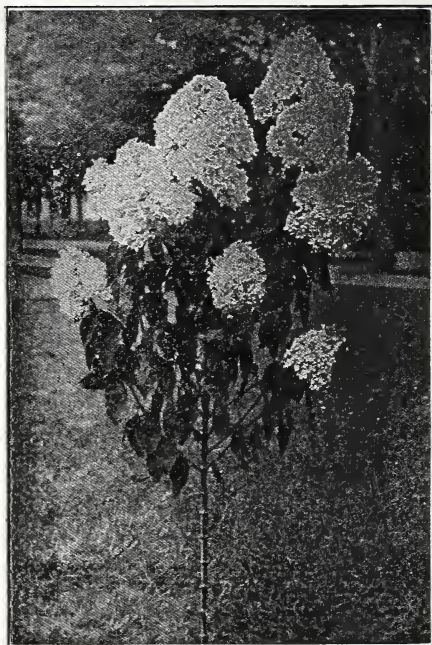
Weigelia Eva Rathke. The finest of all the Weigelias. Rich red flowers. Beautiful shrub. Plants, 18 to 24 inches60

Weigelia Rosea. Same habits as the Eva Rathke, only rose colored flowers instead of Red. Plants, 2 to 3 feet40
Specimen Plants75

Weigelia Pink. Same as above, except pink in color. Plants, 18 to 24 inches35

Weigelia Variegata. Leaves are green and white variegated. Very ornamental and vigorous grower. Plants, 18 to 24 inches.... .40

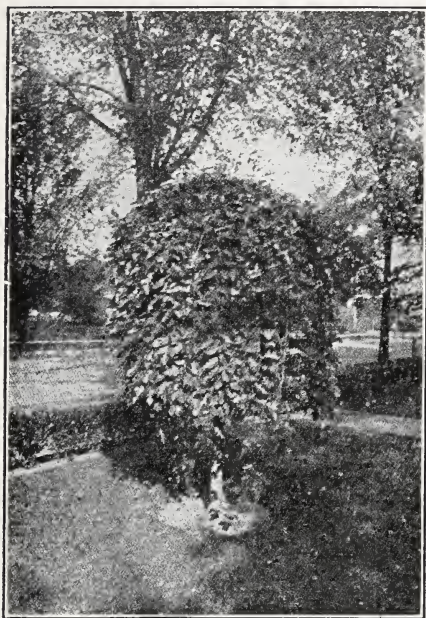
Witch Hazel. See Hamamelis.



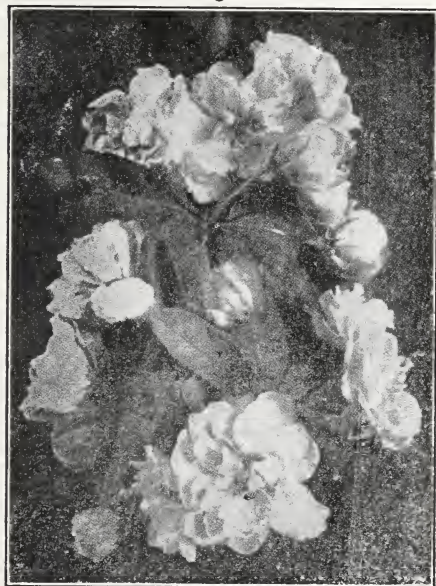
HYDRANGEA TREE FORM

Hydrangea Paniculata Grandiflora. Tree Form. Straight stems, good crowns. Very ornamental. Each80
Per Dozen 8.00

ORNAMENTAL AND FLOWERING TREES AND SHRUBS



TEAS WEEPING MULBERRY



MALUS BECHTELLI

Malus Bechtelli. Double Flowering crab. Each
Flowers resemble a small pink rose on
the stems. Plants, 2 to 3 feet60

Malus Floribunda. Buds red, opening to Each
light pink. Very fragrant.
Plants, 2 to 3 feet 1.00

Malus Scheideckeri. Double flowering Crab. Each
Large shrub or tree. In the Spring these
shrubs are a mass of light rose color.
Fragrant. Plants, 2 to 3 feet 1.00

Prunus Pissardi. Purple leaved plum. Beau-
tiful maroon red foliage. Plants, 2 to
3 feet50

Prunus Triloba. Double Flowering Plum.
Flowers semi-double. Pink. Very attrac-
tive bush. Plants, 2 to 3 feet60

Peach. Double red flowering. Blooms from
May to June. Plants, 2 to 3 feet75

Peach. Double white flowering. Blooms
from May to June. Plants, 2 to 3 feet75

Catalpa Bungei. Hardy Umbrella Tree.
Strong, straight stems, good crowns.
\$1.00 and \$1.50 each



CATALPA BUNGEI

Teas Weeping Mulberry. A very ornamen-
tal dwarf tree for lawns. Straight stems,
good crowns \$2.00 to \$3.00 each

Silver Maples. Quick growing shade trees.
Thrive under most any conditions. Come
into foliage about June 1st. Price 1.25

American Elm. White, one of the quickest
growing shade trees. Will stand sleet and
ice without cracking the limbs. Comes
into foliage about June 1st. Price 1.25

Lombardy Poplars. Tall spire-like character.
Very attractive, each 1.25

VINES—Two-year-old Field Grown Plants

	Each
Ampelopsis Veitchii. Boston Ivy, Self-clinging, small leaved. Turns red in Fall. Strong three-year-old plants, field grown .....	.35
Aristolochia Siph. Dutchman's Pipe. Rapid grower, bearing distinguished brownish-colored flowers, resembling a pipe in shape. Has light green foliage, which retains its color until late Fall .....	.60
Bignonia Radicans. Trumpet Vine. Strong climber. Scarlet Trumpet Flowers .....	.30
Boston Ivy. See Ampelopsis.	
Cinnamon Vine Roots. Very fragrant hardy climber, dark green glossy foliage with sweet scented white flowers. Foliage dies back to ground, but comes up again every season. Extra large Roots, 20c each	2.00
Clematis Paniculata. Luxuriant grower, profuse bloomer, fragrant white flowers in August and September, field grown .....	.30

	Each
Clematis Jackmani. Large purple flowers in profusion, splendid, field grown .....	.60
Honeysuckle Vine. Hall's Japanese, yellow fragrant .....	.25
Pot grown plants .....	.30
Kudzu Vine. Very rapid growing vine, attaining a height of 50 feet in one season. \$2.50 dozen .....	.30
Maderia Vine Roots. Beautiful dark green glossy foliage with white fragrant flowers. Very pretty climbing vine. Large roots, \$1.00 per dozen; each .....	.10
Virginia Creeper. Ampelopsis Quinquefolia. Very rapid-growing, self-clinging vine. Similar to Boston Ivy, but larger leaves. Strong plants .....	.25
Dozen	\$2.50
Wisteria Sinensis, Blue, extra strong, four-year-old plants .....	.35
Wisteria Sinensis, White .....	.35
Wisteria, Purple .....	.35

SMALL FRUITS

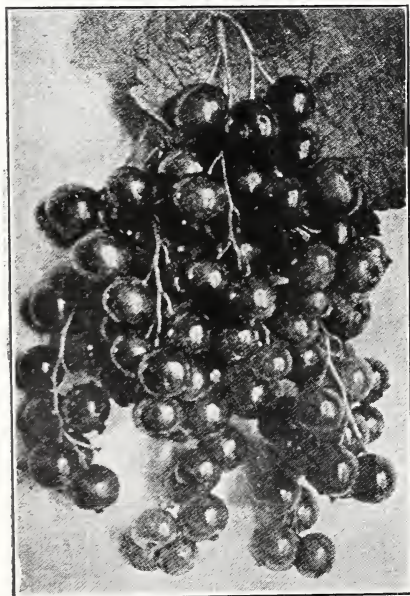
The Small Fruits we are offering are strong two-year-old plants that have been cut back and have made a good heavy root system. The Currants, Gooseberries and Raspberries if planted in early part of April will bear fruit this season. The Grape Vines will bear the following season.

CURRENTS

	Each
Fay's Prolific. Very large red Sweet Currant. Two-year-old, strong plants. \$2.00 dozen .....	.20
Perfection. Red Sweet Currant. Very large fruit. Two-year-old plants. \$2.00 dozen .....	.20
Red Cherry. Very good Red Currant for preserving. Two-year-old plants, \$2.00 per dozen .....	.20
White Grape Currant. Good bearer. Yellowish white, sweet. Two-year-old plants. \$2.00 per dozen .....	.20

GOOSEBERRIES

	Each
Downing. Large greenish white, soft and juicy. Two-year-old plants, \$2.00 per dozen .....	.20
Houghton. Pale red, medium size fruit. Two-year-old plant. \$2.00 per dozen .....	.20



PERFECTION RED CURRANTS

GRAPES

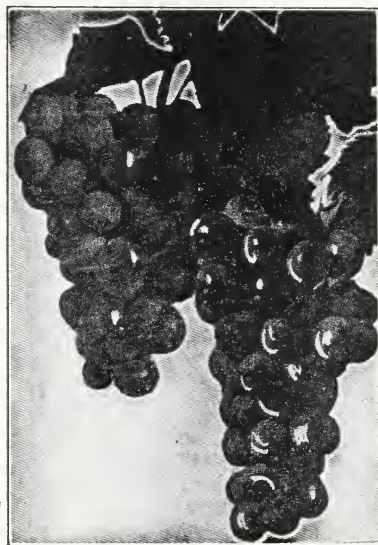
Our Grape Vines are grown for us in the Northwest and are **STRONG TWO-YEAR-OLD** plants. They have been cut back to force the root system, as that is what counts in Grape Vines. We offer only standard varieties that will thrive in the Northern States and will bear profusely.



CATAWBA GRAPES

Catawba. Sweet coppery red, good for wines or jelly. Two-year-old plants. \$2.00 dozen, \$12.00 per 100 .20

Concord. Black. Best all around grape for general use. Good for Wine and table. Two-year-old plants. \$2.00 per dozen. \$12.00 per 100 .20



CONCORD GRAPES

Niagara. Light greenish white. Tender and sweet. Two-year-old plants. \$2.00 per dozen, \$12.00 per 100 .20

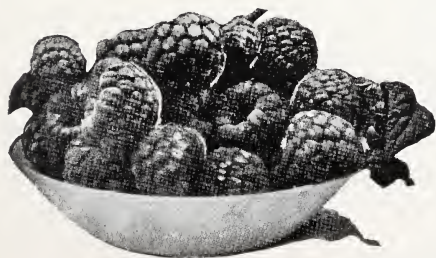
Worden. Large black. Good table grape and fine for jellies. Two-year-old plants. \$2.00 per dozen. \$12.00 per 100 .20

BLACKBERRIES

Snyder. Very hardy, productive and sweet, \$1.50 per dozen. \$7.00 per 100 .15

RASPBERRIES

The Raspberry plants listed below are not one-year suckers, but strong plants with two or more canes to each plant.



ST. REGIS RASPBERRY (Everbearing)

St. Regis Everbearing. This red everbearing variety will bear fruit until late Fall. Most satisfactory of all the Raspberry family, \$1.50 per dozen, \$7.00 per 100 .15

Cuthbert. Large rich crimson. \$1.50 per dozen; \$7.00 per 100 .15

Black Raspberry. Known as **BLACK CAPS.** Large black juicy fruit. \$1.50 per dozen, \$7.00 per 100 .15

Herbert Red Raspberry. Not everbearing, but very profuse bearer. \$1.50 per dozen. \$7.00 per 100 .15

Golden Queen. Rich golden. Wonderful for preserving. \$1.50 per dozen; \$7.00 per 100 .15

FRUIT TREES

The Fruit Trees listed below are strong two and three-year-old trees. They are not whips, as offered by many of the mail-order Nurserymen. They cannot be sent by mail. Be sure to send your Express Address when ordering any trees.

DWARF FRUIT TREES

These Dwarf Fruit Trees planted in early April will bear fruit next Summer.

Apple Baldwin. See description of standard variety.

Apple McIntosh. See description of standard variety.

Apple Wealthy. See description of standard variety.

Pear, Bartlett. See description of standard variety.

Pear, Seckel. See description of standard variety.

Price 50c Each



DWARF APPLE

APPLES

Standard Size, 5 to 7 Feet. Price 50c Each

\$5.00 per Dozen

Strong Two-Year-Old Trees

Baldwin. Winter. Large, red, crisp. Good keepers.

Ben Davis. Fall. Red. Good keeper.

Delicious. Winter. Large dark red, beautiful and delicious.

Duchess. Green with red blush. Mid-summer.

Early Harvest. Yellow. Summer.

Gano. Fall. Red. Good keeper.

Gravenstein. Autumn. Very large pale yellow with red streaks. Good keeper.

Grimes Golden. Fall Yellow.

Jonathan. Winter. Medium size red and yellow.

King. Winter. Red.

Liveland. Red. Summer.

McIntosh. Autumn. large size deep red.

Nero. Red. Winter.

Northern Spy. Winter. Large handsome striped. One of the best.

Red Astrachan. Early Summer. Large deep crimson.

R. I. Greening. Winter. Green with red blush.

Stark. Winter. Large greenish yellow, shaded dark red. Good Keeper.

Staymans Winesap. Winter. Deep purplish red.

Wealthy. Autumn. Large brilliant red. Good keeper and beautiful fruit.

Yellow Transparent. Early summer.

York Imperial. Winter. Red.

CRAB APPLE

Transcendent. Early Autumn. Very popular, red and yellow.

Hyslop, Blush Red.

Price 50c Each

QUINCE

Strong two-year-old trees.

Champion. Large bright yellow fruit. Good keeper.

Orange Quince. Large size fruit. Excellent for preserving.

PRICE 75c EACH

PEACHES

These strong trees planted in early April will bear fruit second season.

Strong Trees, Two Years Old

35c Each; \$3.50 per Dozen

Belle of Georgia. Freestone. Creamy white with red cheek.

Carmen. Freestone. Early and sure bearer.

Crawford Early. Freestone. Large Yellow. Juicy and sweet.

Crawford Late. Freestone. Same type as Crawford's early, but three weeks later.

Champion. Freestone. Large white flesh.

Elberta. Freestone. Large yellow with red cheek. Without doubt a grand peach.

Hiley. White freestone. Early midseason.

J. H. Hale. Freestone. Medium flesh white.

Rochester. Freestone. Extra large, early variety with yellow fruit.

PEARS

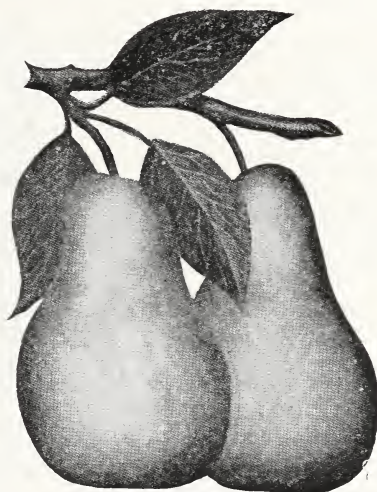
Strong Two- and Three-Year-Old Trees, 5 to 7 Feet High

Bartlett. Summer variety. Large shapely fruit. Delicious flavor.

Clapp's Favorite. Summer. Large pale yellow.

Kieffer. Autumn. Large golden yellow. Flesh slightly coarse.

Seckel. Autumn. Small yellowish, sweet russet. Very hardy.



BARTLETT PEAR

Price 60c Each

GAGES AND PLUMS

Our Plum Trees are grafted on Plum. No need to worry about the peach borer, which you would have to do when you buy Plums grafted on the Peach.

Strong Two and Three-Year-Old Trees, 5 to 7 Feet High

Abundance Plum. Very large, oblong, amber-colored fruit. Very sweet.

Burbank Plum. Deeper colored fruit than the Abundance. Similar in flavor.

Bradshaw. Purple. Early sort.

German Prune. Very hardy. Large dark blue fruit, juicy and sweet.

Green Gage. Small, but of excellent flavor. Skin greenish yellow.

Price 50c Each

CHERRIES

Strong Three-Year-Old Trees, 5 to 7 Feet High

Black Tartarian Oxheart. Very large purplish black. Mild and pleasant.

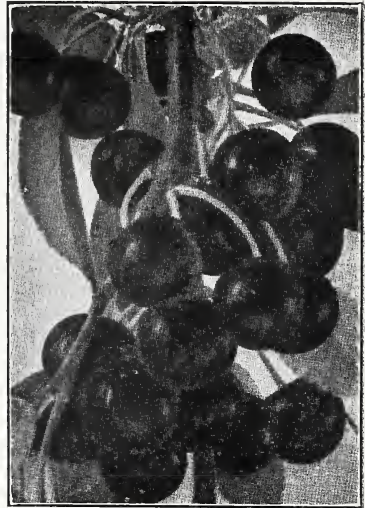
Early Richmond Sour. Dark red. Valuable for preserving. Medium size fruit.

Gov. Wood. Oxheart. Very large, rich light yellow. Sweet and juicy.

Lambert. Sweet.

Montmorency. Sour. Very large red. Largely grown for market. Very productive.

Schmidt's Bigarreau. Oxheart. One of the largest, deep mahogany, dark flesh. Sweet and juicy.



Price 75c Each

MONTMORENCY CHERRY

VEGETABLE ROOTS

Rhubarb Roots. Do not start your Rhubarb Bed with old chopped-up roots. Plant roots that have been cultivated from seed. Two-year-old roots: 10c Each; \$1.00 per Dozen; \$8.00 per 100.

ASPARAGUS ROOTS

Palmeto. Two-year-old roots. \$2.00 per 100, \$15.00 per 1,000.

MISCELLANEOUS BULBS

HYACINTHUS CANDICANS

(Cape Hyacinth)

A white summer-flowering Hyacinth, growing 3 to 5 feet in height, gracefully surmounted with from 20 to 30 pure white bell-shaped flowers.

Top size bulbs—20c each; \$2.00 dozen

CALADIUM ELEPHANT EARS

The large decorative green leaves are useful in the center of a bed or when grown separately. The leaves often measure three to four feet long and are very attractive.

Caladium Esculentum. Elephant Ears.

Large size bulbs, 15c each; \$1.50 per dozen. Extra large bulbs, 20c each; \$2.00 per dozen.

CALADIUM FANCY LEAVED

The foliage of the Fancy Leaved Caladiums are most gorgeous in their striking colors. Beautiful for window boxes or in beds outdoors when planted in a partly shaded situation. Large bulbs 20c each, \$2.00 per dozen, \$15.00 per 100.

AMARYLLIS

These beautiful **AMARYLLIS JOHNSONII** may be grown in the open ground or planted in pots indoors. The *Amaryllis Johnsonii* is the red flowering variety with white stripes through center.

Each, 40c.

Per Dozen, \$4.00

SUMMER FLOWERING BULBS

CANNA ROOTS STRONG TUBERS

CANNA ALSACE. Pale sulphur, changing to cream white, green foliage. 4 ft.

	Each	Dozen	100
Price	\$0.08	\$0.70	\$5.00

CANNA, HUNGARIA. Large flowers of deep pink, borne on enormous trusses. Grows 3½ feet high.

	Each	Dozen	100
Price	\$0.08	\$0.70	\$5.00

CANNA, KING HUMBERT, RED. Beautiful red flowering, with bronze foliage, grows 3½ to 4 feet high.

	Each	Dozen	100
Price	\$0.06	\$0.60	\$4.00

CANNA, KING HUMBERT, YELLOW. Dark green foliage with rich yellow flowers. Grows 3½ to 4 feet.

	Each	Dozen	100
Price	\$0.08	\$0.70	\$5.00

CANNA, THE PRESIDENT. Dark green foliage. Rich red large clusters of blossoms that make this variety one of the very best. Grows 4 to 4½ feet high.

	Each	Dozen	100
Price	\$0.08	\$0.70	\$5.00

CANNA ORANGE BEDDER. A bright orange with just enough scarlet suffusion to intensify the dazzling mass of color. Four feet.

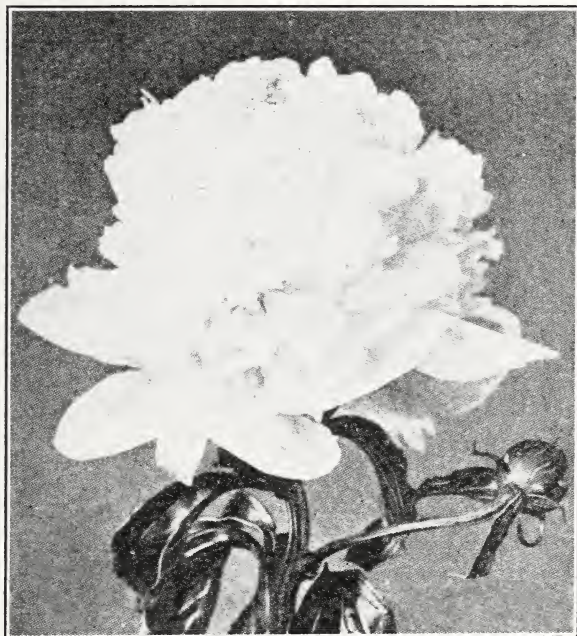
	Each	Dozen	100
Price	\$0.08	\$0.70	\$5.00

CANNA, RICHARD WALLACE. Green foliage, yellow blossoms. Grows 3½ to 4 feet high.

	Each	Dozen	100
Price	\$0.06	\$0.60	\$4.00

CANNA ROOTS. Assorted colors.

	Each	Dozen	100
Price	\$0.05	\$0.50	\$3.50



PAEONIES

PAEONIES. These clumps are what are known as 5-to-7-eye divisions. They should be planted so that the top eye will set two inches below the top of the ground. If planted too deep they will not bloom.

Do not use manure in the soil, as it has a tendency to create disease in the roots. The best fertilizer is our **ROSE GROWER BONE MEAL**. Mix two tablespoonsful in the soil around the roots.

Named Varieties

As Listed Below

50c Each

\$5.00 Dozen

PAEONY

Adolphe Rousseau. Purple garnet, mid-season.

Avalanche. White, mid-season.

Delachei. Bright rose, late mid-season.

Edulis Superba. Large, deep pink, mid-season.

Homea Rosea. Silvery pink, very late.

Unnamed Varieties, Red, White and Pink.

Mille Rosea. Rose pink, early mid-season.

Officinalis Rubra Plena. Crimson, early, Queen Victoria. White, early.

Rose D'Armour. Rose pink, early mid-season.

Venus. Pale pink.

30c each

\$3.00 dozen

TUBEROSE

The **TUBEROSE** is the most fragrant Summer flowering bulb grown. Beautiful white spikes of white flowers. The fragrance of a few bulbs planted in the garden is noticeable from any part of the garden. Bulbs must be lifted during the Fall season and treated same as Gladiolus bulbs.

EXCELSIOR PEARL—Medium Size Bulbs, 5c each; 30c dozen; \$1.50 per 100.

Mother Size Bulbs, 10c each; 70c per dozen; \$4.00 per 100.

HARDY PERENNIAL PLANTS

Variety	Blooming Period	Color	Height	Price	
				Ea.	Doz.
Asters	Sept.	Assorted	3 to 5 ft.	\$0.20	\$2.00
Anchusa Atalica	June to Sept.	Blue	4 to 5 ft.	.20	2.00
Artemesia, Silver King	June & July	White Leaves	3 ft.	.20	2.00
Aquelegia	May to June	Assorted	2 to 3 ft.	.20	2.00
Bleeding Hearts	April-June	Rosy Red	1½ ft.	.40	4.00
Canterbury Bells	June-July	Assorted	2 ft.	.20	2.00
Chrysanthemum Pom Poms...	Sept.	Assorted	1½ to 2 ft.	.20	2.00
Chrysanthemum Large Fl. ...	Sept.-Oct.	Assorted	2 ft.	.20	2.00
Coreopsis	June to Nov.	Yellow	2 ft.	.20	2.00
Delphinium Bella Donna	All Summer	Lt. Blue	3 ft.	.20	2.00
Delphinium Bellamosa	All Summer	Dk. Blue	2 to 3 ft.	.20	2.00
Dianthus	May-June	Assorted	2 ft.	.20	2.00
Digitalis (Foxglove)	July & Aug.	Assorted	3 to 5 ft.	.20	2.00
Eupatorium	Aug.-Oct.	Blue	2 ft.	.20	2.00
Funkia Gdfl. White Day Lily	July-Aug.	White	1½ ft.	.20	2.00
Gaillardia	June to Nov.	Orange	1½ ft.	.20	2.00
Gypsophilla (Baby's Breath).	All Summer	White	2 to 3 ft.	.20	2.00
Hemerocallis (Day Lily)	May-July	Yellow	5 to 6 ft.	.20	2.00
Hollyhocks	Aug.-Sept.	Assorted	5 to 6 ft.	.20	2.00
Iberis (Candytuft)	April	White	1 ft.	.20	2.00
Iris, German	May-June	Assorted	3 to 4 ft.	.20	2.00
Iris, Japanese	June-July	Assorted	1½ ft.	.20	2.00
Liatris	July-Sept.	Purple	4 ft.	.20	2.00
Phlox	July-Sept.	Assorted	2 to 3 ft.	.20	2.00
Mallows	Summer	Assorted	4 to 5 ft.	.25	2.50
Poppies Oriental	May-June	Assorted	2½ ft.	.25	2.50
Physostegia	Summer	Pink	3 ft.	.25	2.50
Pyrethrum (Painted Daisy)..	Summer	Assorted	2½ ft.	.20	2.00
Tritomas	July-Sept.	Or.-Scarlet	2 ft.	.25	2.50
Veronica	June & July	Blue	2 to 2½ ft.	.25	2.50
Shasta Daisy	Mid-Summer	White	2 ft.	.20	2.00

SPECIAL, GOLD MEDAL HYBRID DELPHINIUM

Large, robust plants, growing 5 to 7 feet tall, bearing flower spikes 2 to 3 feet long, in shades of heavenly blue, purple, lavender, etc.
Two year, field grown, clumps. assorted colors only 35c each \$3.50 per dozen

ROCK GARDEN PLANTS

Variety	Blooming Period	Color	Height
Arabis Alpina (Rock Cress)	April-May	White	5 inch
Aquelegia Alpina	April-May	Blue	6 to 10 inch
Aster Alpinus	May-June	Blue	5 to 10 inch
Aubretia Hybrid	April-May	Assorted	6 inch
Alyssum Saxatile	April	Yellow	1 foot
Armeria	May-June	Pink	6 inch
Dianthus (Everblooming S. William)	All Summer	Crimson	10 to 12 inch
Heuchera	Summer	Pink	18 inch
Mazus Rugosa	Aug.-Sept.	Blue	3 inch
Myosotis (Everblooming Forget Me Not) .	May-Sept.	Blue	10 inch
Primulas	April-May	Assorted	8 inch
Phlox Sub.	April-May	Pink	3 to 6 inch
Platycodon Mariesii	June-July	Blue	1 foot
Sempervium	June-July	Red & Yellow	5 to 10 inch
Sedum Acre	May-July	Yellow	2 to 3 inch
Thymus Serpyllum	July	Red	4 inch
Viola Tricolor (Johnny Jump Up)	All Summer	Blue	6 inch
Viola Jersey Gem	May to Nov.	Violet	6 inch

Your Choice of Any of the Above Rock Garden Plants
25c each \$2.50 per dozen \$18.00 per 100

ARIZONA TUFFA ROCK for Rock Gardens\$5.00 per 100 lbs.

JAPANESE LILY BULBS

Very Hardy

What is more beautiful in the perennial garden or border than clusters of these hardy Japanese Lilies. Planted about six inches deep in April or May they will bloom the first season and continue to come up each season and give greater number of blossoms after they have been in the ground two or three years. Do not use manure when planting. If possible place a small handful of builder's sand under the base of the bulb and mix about one tablespoonful of our Rose grower bone meal fertilizer in the soil that is set on top of the bulbs.



LILIUM AURATUM

Auratum (Gold-banded Lily). The grandest of all hardy lilies. Blossoms cone-shaped, pure white spotted maroon, with bright yellow band running through centre of each petal.

	Each	Dozen	100
First size bulbs	\$0.20	\$2.00	\$15.00
Extra large bulbs .....	.35	3.50	23.00

Speciosum Roseum or **Malpomene**. Spotted rich crimson.

	Each	Dozen	100
First size bulbs	\$0.25	\$2.50	\$16.00
Extra large bulbs .....	.35	3.75	25.00

Speciosum Rubrum. The petals curl over the same as the other *Speciosum* types. Color Dark Red and very fragrant.

	Each	Dozen	100
First size bulbs	\$0.25	\$2.50	\$16.00
Extra large bulbs .....	.35	3.75	25.00

Speciosum Magnificum. Improved variety of Roseum, Rich Crimson.

	Each	Dozen	100
First size bulbs	\$0.25	\$2.50	\$16.00
Extra large bulbs .....	.35	3.75	25.00

Lilium Tigrinum. Improved type of the old Tiger Lily. Very Hardy.

	Each	Dozen	100
Single flowering	\$0.20	\$2.00	\$14.00
Double flowering .....	.25	2.50	18.00

LILY OF THE VALLEY.

These crowns may be planted during the Spring Season and will bloom first season and continue to multiply.

25 Crowns for	\$ 1.00
100 Crowns for	3.00
500 Crowns for	12.00

REGALE. Myriophyllum. Very hardy Lily, originated in China. Beautiful fragrant white Lily, similar to the well known Easter Lily and it is sometimes called the hardy Easter Lily. Like all Lily bulbs they should be planted in well drained soil.

	Each	Dozen
Bulbs—First size	\$0.25	\$2.50
Bulbs—Top size .....	.35	3.50

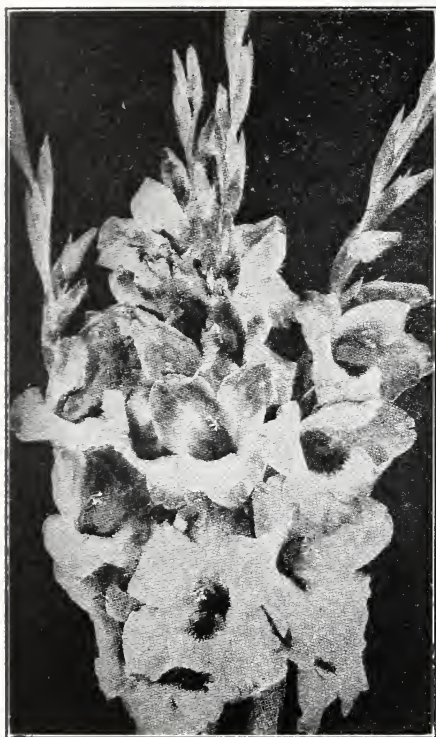


LILIUM SPECIOSUM

GLADIOLUS BULBS

GLADIOLUS bulbs are without doubt the most satisfactory bulbs you can plant in your garden. So easy to cultivate and when planted in rotation, say about two weeks apart until the end of June, you can have a succession of cut flowers for your home until frost. Take the bulbs up in the Fall and preserve them in a cool cellar until the following Spring.

The Gladiolus Bulbs we are offering below are all top size $1\frac{1}{2}$ to 2 inch bulbs, or what are known as mother size bulbs.



AMERICA

America. Beautiful, long spikes of pink that never fail to give satisfaction. Good free bloomer. Price, 5c each; 50c per dozen; \$3.00 per 100.

Crimson Glow. A perfect scarlet of a deep tone. Very large open flowers of the finest form and exceedingly well placed on a tall spike. 8c each; 75c per dozen; \$4.00 per 100.

Herada. Pure mauve blooms of large size, on tall, straight spikes. 8c each; 75c per dozen; \$4.00 per 100.

Mrs. Francis King. A striking shade of light Scarlet. Very attractive. 5c each; 50c per dozen; \$3.00 per 100.

Evelyn Kirtland. A beautiful shade of rosy-pink, darker at the edges, fading to shell pink at the center with brilliant scarlet blotches on lower petals. Very tall spike, extra fine form. 8c each; 75c per dozen, \$4.00 per 100.

Golden Measure. Extra fine dark yellow, the best of its color. 9c each; 90c per dozen; \$5.00 per 100.

Giant Nymph. Light pink shade with a creamy throat, large open flowers on strong stems. 9c each; 90c per dozen; \$5.00 per 100.

Mrs. Frank Pendleton. The flowers are very large and well expanded, of a lovely flushed salmon-rose with brilliant carmine or deep red blotches in throat, presenting a vivid contrast of orchid-like attractiveness. 8c each; 75c per dozen; \$4.00 per 100.

Panama. Deep pink flowers. Very large and spikes long. 8c each; 75c per dozen; \$4.00 per 100.

Peace. Large pure white; 7c each; 70c per dozen; \$3.50 per 100.

Rose Ash. Medium old rose, lower petals canary yellow sprinkled with spotted old rose. Fluted petals. 8c each; 75c per dozen; \$4.00 per 100.

Souvenir. Fine pure yellow, intense clear color of the buttercup. Straight spikes. 7c each; 70c per dozen; \$3.50 per 100.

Virginia. Pure scarlet, with slightly lighter throat. Large flowering. 8c each; 75c per dozen; \$4.00 per 100.

Willbrink. Flesh pink with creamy blotch on lower petal; 7c each; 70c per dozen; \$3.50 per 100.

MacNiff De Luxe Collection of Gladiolus, made up of ten named varieties, leading shades, number one Bulbs. Box of 100 bulbs \$3.00.

Mixture Standard. This mixture produces a nice assortment of colors. All top size bulbs. 5c each; 35c per dozen; \$2.00 per 100.

Mixture, Primulinus. Colors range from deep yellow to deepest orange and other shades. 5c each; 35c per dozen; \$2.00 per 100.

MACNIFF'S GUARANTEED DAHLIAS



JANE COWL

POPULAR PRICE COLLECTIONS

These collections are composed of varieties of which we have a surplus and are great value for the price. They contain no Singles or Pom Poms, all labeled, no two alike, and contain 12 varieties.

Col. A.....\$1.50; Col. B.....\$2.00; Col. C.....\$2.50; Col. D.....\$3.00; Col. E.....\$3.50

SPECIAL COLLECTION FOR \$5

1 Root Jane Cowl	1 Root Avalon	1 Root Elinor Vandever
1 " Jersey Beacon	1 " Chemar's Eureka	1 " Sagamore
1 " Jersey King	1 " Jersey Beauty	1 " Seals California
1 " Robt. Treat		1 " Mrs. Ida Van Warner

And your choice of one of the following:—Dorothy Stone, Fort Monmouth or The World.

DAHLIA CLUMPS

Field Grown Jersey Beauty Pink	ea.	25c
Field Grown Mrs. Ida Van Warner Orchid	ea.	25c
Field Grown Red	ea.	15c
Field Grown Yellow	ea.	15c
Field Grown White	ea.	15c

OUR GUARANTEE

If within four weeks after Divisions have been received they do not show signs of life, they are to be mailed back to our salesrooms and new Divisions or Plants will be sent promptly to replace the ones that did not grow.

When the Divisions are received, please unpack them and keep them in a cool room or they should be planted as soon as weather permits, otherwise, if they are allowed to remain in a warm room they will become dry and worthless.

We do not give any guarantee as to crop, number of blooms, etc., when offering this guarantee. We know our Divisions will give thorough satisfaction if properly planted and disbudded as per our PRINTED CULTURAL DIRECTIONS INCLUDED IN EACH ORDER.

FIVE WONDERFUL DAHLIAS FOR 1932

American Legion, (S.C.) Named in honor of the wounded Veterans of the World War. American Legion is the largest and most perfect of all Dahlias. The gorgeous, bright yellow, semi-cactus blossoms are held on perfect, long stems over a tall, robust bush. American Legion measuring 13½ inches in diameter and 9 inches in depth, was shown at the Atlantic City Flower and Garden Pageant, winning the Pageant Gold Medal and \$100. for the best undissemated seedling open to all. The highest award ever won by any Dahlia.

Plants only\$7.50

Golden Harvest, (S.C.) A striking sulphur yellow Dahlia of great size both in width and depth. The blooms are held perfectly erect on the best of stems and by disbudding it is quite possible to grow blooms as large or larger than Siskiyou. Vigorous grower and a mass of blooms from early to late in the season.

Plants only\$2.50

Meadowbrook, (F.D.) Color light mallow purple with edges of mallow pink. Excellent flowering

habits. Can be grown to large size, long cane-like stem. Leathery foliage. In 1929 this wonderful variety received the highest scoring of any Dahlia.

Plants only\$5.00

Patricia Ann, (F.D.) Picric yellow, blending into alizerine pink. Flowering habits, prolific, extra heavy bloom facing upward. Ideal cane stem and one hard to beat. Can be grown ten to eleven inches easily, yet it has both form and color interest. It is unusually attractive and well worth while.

Plants only\$5.00

The Commodore, (I.D.) In color it is a brilliant lemon yellow overlaid with a gold sheen. It is of immense size, many of the blooms attaining to fourteen inches and over across, of good depth and the giant blooms are held high above the foliage on long stiff stems. Plant is of medium height, wide spreading of sturdy growth and is tremendously prolific, the plants being literally covered with blooms from early to late in the season.

Plants only\$5.00

NEW AND RECENT INTRODUCTIONS

ABBREVIATIONS:

- I. C.—Incurved Cactus
S. C.—Straight Cactus (formally Cactus)
Semi C.—Semi Cactus (formally Hybrid Cactus)
F. D.—Formal Decorative (formally Decorative)
I. D.—Informal Decorative (formally Hybrid Decorative)

Andrea Ericson, (I.D.) This outstanding pure white Dahlia was a feature in the 1930 Eastern shows, where it attracted much attention. It is of the Informal Decorative type, and may be grown from nine to twelve inches under good cultural directions. Petals are very pointed and irregularly placed giving the flower a light, fluffy appearance. Very early and free bloomer. Plants of medium height and excellent habit of growth. Leaves dark green, leathery and practically insect proof. Flowers are held well above the foliage on long slender stiff stems.

Roots.....\$7.50 Plants.....\$2.00

Bagdad, (I.D.) An immense flower of flaming scarlet-red borne on long stems high above the plant. An ideal grower and a prolific bloomer. Highly recommended for those who want rich, bright color either for exhibition or in the garden.

Roots.....\$7.50 Plants.....\$3.50

Dwight W. Morrow, (I.D.) Our red Dahlia that is admired by all who view its gigantic blooms. A rich deep cardinal red. Flowers 10" by 6" are easily attained. Plants medium with rich green foliage. Here is a fine Dahlia that is sure to make a name for itself.

Roots.....\$10.00 Plants.....\$5.00

Edward Thomas Bedford, (I.D.) A very striking Dahlia of a bright cerise color with a silver reverse, petals waving in such a manner as to show the silver which gives a two-toned effect. Stems straight and strong hold the flower well above the plant. Excellent keeper when cut.

Roots.....\$5.00 Plants.....\$2.50

Goodnight, (I.D.) This is by far the prettiest dark colored Dahlia. Color is oxblood red shaded maroon. Plant grows to a height of five feet and over, has insect resisting foliage out the Season. Good centers at all times.

Roots.....\$5.00 Plants.....\$1.50

Jean Trimbee, (Semi C.) This beautiful Dahlia is of Canadian origin, having been raised by Mr. Trimbee of the Province of Ontario and exhibited at Toronto the past two years. The flowers are very large many over twelve inches and are a beautiful petunia violet in color. The habit is strong and vigorous and the giant

flowers are produced very freely. An unusual and outstanding variety that is sure to become very popular.

Plants only\$2.00

Jersey Triumph, (F.D.) A seedling of Jersey Beauty and resembling it in habit of growth. The color is bright copper flushed with salmon bronze.

Roots.....\$3.50 Plants.....\$1.50

Jim Moore, (I.D.) Color is a clear primrose yellow shading to gold with tints and flushes of salmon throughout the flower. Flowers very large and excellent stems.

Roots.....\$4.00 Plants.....\$1.50

Kathleen Norris, (I.D.) The flower is of gigantic proportions and is unquestionably the greatest pink decorative in existence. Color a beautiful rose pink. Broad overlapping petals with twisted ends, always full centered; flowers are held high above the foliage and a picture of enchanting beauty and admiration of all.

Roots.....\$4.00 Plants.....\$2.00

Mabel Douglas, (I.D.) This high informal decorative is a clear pastel lavender in color and is a flower that might easily become popular in the largest bloom classes. This Dahlia attracted much attention at the New York Show on account of its great size and clarity of color.

Roots.....\$5.00 Plants.....\$2.00

Monmouth Champion, (F.D.) This Dahlia of great size and brilliant orange flame color that fairly glistens from its own color. A beautiful Dahlia in the garden or for exhibition. Large perfect blooms on perfect stems. Plants are vigorous growers, wide spreading, long, slender side shoots, each producing a fine exhibition bloom ten to twelve inches in diameter.

Roots.....\$5.00 Plants.....\$1.50

Mrs. Louis F. Hyde, (I.D.) A very brilliant bright rose color without any magenta, especially lovely under artificial light. The large exhibition flowers are held on stiff stems at least fifteen inches above the top leaves. Early and free bloomer. Plant good grower and resistant to insect attack.

Roots.....\$5.00 Plants.....\$2.50

Olive Wright, (I.D.) A magnificent blending of lemon yellow and peach red combining to give an orange effect to the whole flower. The flowers are very large, and borne in profusion on luxuriant bushes. The stems are rigid. It has a high, full center and not once has it shown an open center.

Plants only\$3.00

Orinda, (F.D.) An immense decorative of perfect form; color one-toned rich mauve-pink. The large petaled flowers are carried on strong stiff stems. Plants are vigorous and insect and disease resisting.

Roots.....\$5.00 Plants.....\$2.00

Rudy Vallee, (S.C.) Chrome yellow centers with graduation to grenadine pink as the flower expands, finally becoming solid grenadine orange red when fully grown. The flowers are pleasing to look upon and instantly catch and hold the attention of all who see them. Flowers are large, full centered and are held well above the foliage on long straight, stiff stems.

Roots.....\$10.00 Plants.....\$5.00

Sanhican Meteor, (I.D.) A brilliant flaming red, reverse of petals bright gold. Center of flower very high, petals long and curl and twist in such a manner as to give the effect of red and glistening gold. Very large exhibition size flower which is half as thick as its diameter. Flowers are borne on dark, stiff stems and are placed at least fifteen inches above the first pair of leaves. Plant of tall habit, with tough, leathery foliage, the kind that discourages insects.

Roots.....\$5.00 Plants.....\$2.50

Tang, (I.D.) A strikingly beautiful bloom of unusual color and a style all its own. Bright tawny, orange flame. Long petals that roll

and twist and show a golden buff reverse to such a marked degree that the flower at first appears to have two colors. A deep, full, high centered flower with a rugged blush, strong stem and dark green foliage that pass unnoticed in the beauty of the bloom.

Plants only\$3.50

Tarrytown, (F.D.) Color a deep chrome yellow with apricot and bronze. A giant bloom of great depth. Stems are long and stiff. A Dahlia that should win easily on the exhibition table.

Roots.....\$5.00 Plants.....\$2.50

Thomas A. Edison, (F.D.) This gorgeous new royal purple exhibition decorative selected and named by permission of the famous electrical wizard. The staghorn petal formation, the dark green insect resistant foliage, the cane stiff stems, and its thrifty growing habit leave nothing to be desired.

Roots.....\$5.00 Plants.....\$2.00

W. H. T. (Dec.) A new giant, supper exhibition Dahlia of an unusually brilliant, deep, old rose, with faint traces of mauve on the reverse of the petals. Very vigorous grower on best of stems. Petals extra rich and long and recurving to the stem, making a bloom of immense depth, as well as diameter, and rarely beautiful. Lovely, attractive and a very free bloomer.

Roots.....\$5.00 Plants.....\$2.50

DAHLIAS OF SPECIAL MERIT

American Triumph, C. A enormous cactus of a clear rich red color. Stems very long and hold the flower well above the foliage.

Roots.....\$2.50 Plants.....\$1.00

Chemar's Eureka, F. D. A pure white of excellent quality; flowers average 10 inches and borne in profusion from August until frost.

Roots.....\$3.50 Plants.....\$1.00

Dorothy Stone, I. D. This dahlia is a vigorous grower, very good foliage, color a Rose Pink, producing blooms on long stiff stems, well above the foliage.

Roots.....\$3.50 Plants.....\$1.00

Dr. John Carman, F. D. Color Red dwarf plants, blooms very large and wonderful stems.

Roots.....\$2.50 Plants.....\$1.00

Fort Monmouth, Semi C. A giant bloom, color a rich wine with an underlying tone of brilliant crimson maroon and a slight bluish violet tone at tips of petals. Prolific bloomer early to late in the fall. Stems very good and a fairly tall grower. Winner of many prizes.

Roots.....\$2.50 Plants.....\$1.00

Frank Miller, F. D. A ten inch bloom on 4 foot stems. Color a picric yellow, flowers very deep and full. On the Sunkissed Calif. role of honor for 1929

Roots.....\$3.50 Plants.....\$1.00

Golden Septre, F. D. A giant flower of exquisite beauty and refinement. The color being clear picric yellow, with light golden yellow tints that blend in perfect harmony with the ground color. Flower is very large, and is supported on a stiff stem high above the foliage.

Plants.....\$2.50

Graf Zeppelin, F. D. Flowers are pure waxy white, very formal in makeup, never showing a center. Very robust grower, plant often attaining a height of six feet. Flowers are borne on very stiff long stems in profusion. Blooms will average eight inches without forcing.

Roots.....\$5.00 Plants.....\$2.00

Helen Ivins, F. D. A beautiful orchid-lavender decorative flower, has good depth and of exhibition size, free bloomer, straight stems and especially pure under artificial light.

Roots.....\$2.50 Plants.....\$1.00

Jane Cowl, I. D. A massive deep decorative with petals curled and twisted. Color a glistening bronzy buff and old gold blending to a deeper shade toward center of flower; reverse of petals a pale flesh color, giving the flower, as a whole, a warm glow. A stem of unusual strength

holds this giant decorative erect over a plant of ideal growth, foliage thick and leathery, insect resisting. Miss Jane Cowl selected this variety at the A. D. S. Exhibition in New York to bear her name.

Roots.....\$7.50

King Midas, I. D. Giant golden yellow flowers of great depth, on good stems, flowers can easily be grown twelve inches.

Roots.....\$3.00 Plants.....\$1.50

Kemp's Violet Wonder, I. D. A giant rich Naphthaline Violet with underlying tone of Royal Purple, reverse Lavender, form stems and habit excellent. It is a vigorous grower and pest proof.

Roots.....\$2.50 Plants.....\$1.00

Mrs. Alfred B. Seal, I. D. The largest and finest pure rich, glowing old rose colored dahlia ever produced—with no other variety even remotely approaching it. The flowers are of great size, measuring with the largest, and of great depth and substance, and are held proudly erect above the foliage on long stiff stems. Bush tall growing wide spreading and remarkably healthy.

Roots.....\$3.50 Plants.....\$1.00

The World, F. D. The coloring is unusual — rich deep rosy magneta overlaid garnet with silver shadings on edges of petals. A rich and beautiful combination of colors. Perfect full centers 8 to 10 inches across and half as deep. Bush 5 feet, stems strong and erect. Foliage leathery and repellent to insect injury. This greatly admired dahlia is sure to please you.

Roots.....\$2.50 Plants.....\$1.00

Watching Wonder, I. D. The color of this sensational variety is a rich royal red with a touch of gold in the center of the flower; with now and then a tiny petaloid of gold to enhance its beauty. The flower is of enormous size, both in width and depth, and is held above the foliage on a stiff cane-like stem. Plant is a healthy, sturdy grower, with thick, tough foliage, the kind that defies insects.

Plants.....\$2.00

Watching Chief, Deep Burnt Orange, large flowers, good stems and wonderful cut flower.

Plants.....\$2.50

Watching Sunset, I. D. Color lavender pink, good sturdy grower and flowers very large, held erect on long, stiff stems.

Roots.....\$2.50

OLD TIME FAVORITES

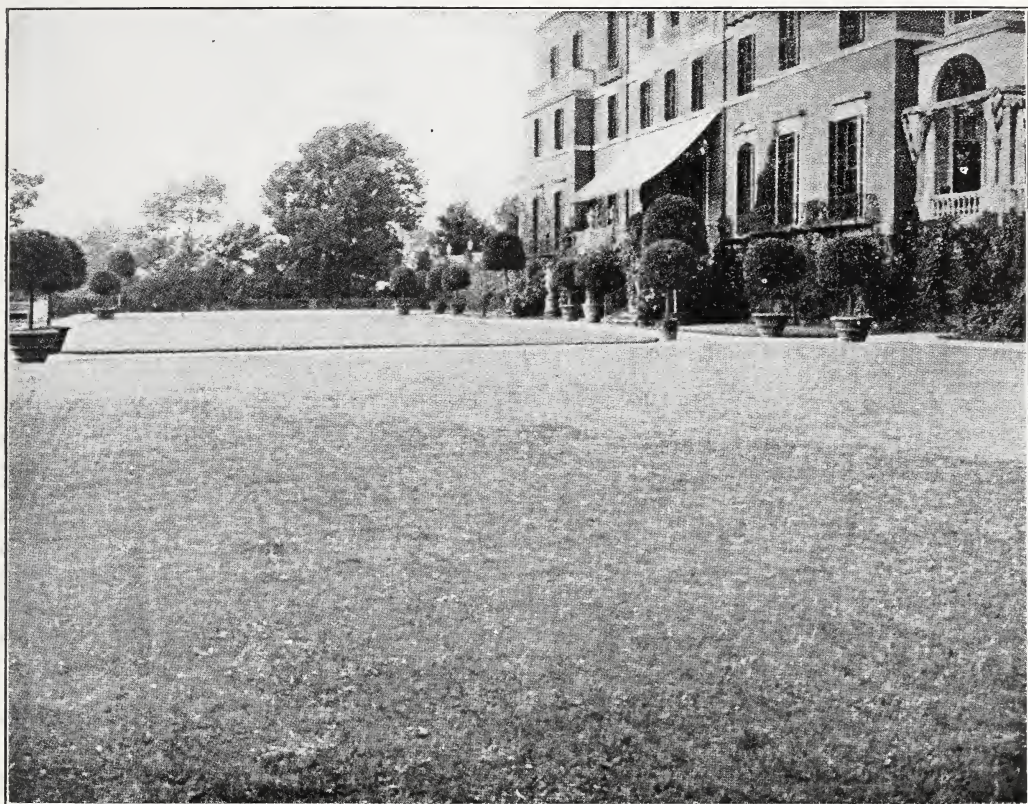
- Ambassador, S. C.** A Soft yellow shade at the center with shading of salmon, amber and pink. Roots, \$1.00
- Ballet Girl, C.** Extra large deep flowers of orange and white, hardly ever two alike. Roots, 75c.
- Cigarette, S. C.** Scarlet tipped white. Good bloomer. Roots, 50c.
- City of Trenton, I. D.** The front of the petals are a rich orange, while reverse is a crushed strawberry red. Blooms are very large and held erect on long, stiff stems. Roots, \$2.00.
- Countess of Claverley, Semi C.** A delight shade of pale pink with a faint gold edge to each petal, good stems. Roots, \$2.00.
- Earl Williams, F. D.** Bright crimson and white. Roots, 50c.
- Elinor Vanderveer, F. D.** A favorite of great size. Color a beautiful glowing rose pink, with darker shadings. Roots, 50c.
- Elite Glory, F. D.** Rich radiant red, one of the largest. Always attracts attention. Roots, \$1.00.
- Fordhook Bridesmaid, I. D.** A beautiful shade of Amaranth Pink, shading lighter at center. Stems very wiry and large flowers. Roots, \$1.50.
- Ft. Washington, F. D.** Large, dark maroon. Fine for exhibition. Stems long and straight. Roots, \$1.50.
- Francis Larocco, F. D.** Large pure yellow, strong stems, profuse bloomer. Roots. Roots, \$1.00.
- F. W. Fellows, C.** Orange scarlet. An oldtime favorite. Roots, 75c.
- Jersey's Beacon, F. D.** Very large blooms of a beautiful Chinese Scarlet color with pale reverse. Roots, 50c.
- Jersey's King, F. D.** Bright red with carmine on long stiff stems. Roots, 50c.
- Judge Marean, F. D.** A very large flower of a combination of Salmon pink, red, yellow and gold. Profuse bloomer and fine stems. Roots, 75c.
- Margaret W. Wilson, I. D.** Exhibition, decorative, of large size and great beauty. Color a beautiful shade of opalescent pink. Face of petals white. Reverse Phlox pink. Roots, 75c.
- Marmion, I. D.** One of the largest. Pure, golden yellow with bronze on reverse of petals. Long, stiff stems hold the large blooms erect. Roots, \$1.
- Pride of Fort Morgan, F. D.** Large blooms of fine deep red. Roots, \$1.50.
- Queen of the Garden Beautiful, F. D.** Pale Primrose yellow with perfect stems. Flowers very large and full. Roots, \$1.00.
- Robt. Treat, F. D.** Deep American Beauty Red. Roots, 75c.
- Roman Eagle, F. D.** Large exhibition varieties of brilliant copper. Roots, 75c.
- Rose Fallon, I. D.** An immense flower of deep old gold. Roots, \$1.00.
- Sagamore, F. D.** Rich amber gold, shaded toward center to salmon rose. Roots, 50c.
- Siskiyou, C.** Pink tinged mauve. One of the largest dahlias grown. Roots, \$1.50.
- Snowdrift, F. D.** Broad, waxy petals of pure white. Roots, 50c.
- Trentonian, F. D.** Giant blooms on extra fine stems. Color a blending of reddish copper, old gold and amber. Roots, 75c.
- W. H. Hogan, F. D.** Garnet red with white tips running down the center of the petals. Profuse bloomer. Roots, \$2.
- World's Best White, I. D.** Pure white, very large. Roots, \$1.00.

A WORD REGARDING OUR DAHLIA PLANTS.

In order to further introduce our Dahlia Plants and to give our customers some assurance that they will make roots that will carry over for the following Season, we wish to make the following special offer:

Any Dahlia Plants purchased from us at Catalog price that fails to make tubers, **THE ROOTS ARE TO BE MAILED BACK TO US WHEN DUG IN THE FALL** and we will send a clump of that variety free of charge at digging time at our nurseries. These roots must be positively returned to us at the time you dig.

EXTRA RECLEANED GRASS AND CLOVER SEED



MACNIFF'S SPECIAL LAWN GRASS SEED

After many careful experiments and tests, we are now in a position to offer this Special Mixture, which includes the several varieties of grasses best adapted for making a beautiful lawn. The blend is evenly proportioned entirely free from weed seeds, and specially selected to withstand the heat and drought of the summer.

With proper attention to the soil before sowing, this mixture produces a rich lawn, closely interwoven, firm and ready for cutting four weeks after sowing.

Numerous testimonials have complimented us upon this finest of all lawn seeds, which bespeaks the hearty commendation of its many users.

By using this magnificent composition of grasses, you will be assured of a durable and lasting lawn. You will find quick germination and dark green, velvety color, that many have aspired to, but which few have attained. You will find grasses that are adapted both to ordinary and unusual conditions.

To sum up, you will find a lawn grass seed that retrieves the hopes and expectations for a superb lawn.

Quantity Required

For new lawn, 10 ozs. will sow 10x20 feet (200 square feet).
Twenty pounds will sow 100x100 feet. One hundred pounds to the acre.
For renovating old lawns, one-half of the above quantity is necessary.

10 ozs. or 1 qt., 35c.; 40 ozs. or 4 qts., \$1.00, 5 lbs. or 1 Peck, \$1.75
½ bushel or 10 lbs., \$3.25; 20 lbs. or 1 bushel, \$6.00; 100 lbs., \$23.00



MACNIFF'S "SHADY" LAWN GRASS SEED

It is hardly necessary to remind any reader of this catalogue of the futility of using ordinary grass seed mixtures for shady and damp situations. Many lawns are spoiled by the bare and unsightly spot where constant shade exists, and all efforts have failed to get grass to grow in these places.

To successfully combat conditions such as these, MACNIFF'S "SHADY GLEN" LAWN SEED should be used exclusively.

This combination is composed of tried and tested fine-leaved evergreen varieties, which grow wild in the woods in their natural state, and will form a lawn that will be in keeping with the finest results obtainable under ordinary conditions.

Quantity Required

For new lawns, 10 ozs. (1 qt.) will sow 10x20 (200 square feet).

Twenty pounds (1 bus.) will sow 100x100 ft. One hundred pounds to the acre. for renovating old lawns, one-half of the above quantity is necessary.

1 qt. or 10 ozs., 35c; 4 qts. or 40 ozs., \$1.00; 1 peck or 5 lbs., \$1.75;

½ bushel or 10 lbs., \$3.25; 1 bushel or 20 lbs., \$6.00

SANDY BEACH LAWN GRASS MIXTURE

To make a lawn at the seashore has been a very difficult proposition, but after careful experiments with the different kinds of deep rooted grasses, we are now in a position to offer a mixture that will naturally thrive under the most trying conditions and give results where the ordinary mixture would fail.

Quantity Required

For new lawns, 10 oz. (1 qt.) will sow 10x20 (200 square feet).

Twenty pounds (1 bu.) will sow 100x100 ft. One hundred pounds to the acre.

For renovating old lawns, one-half of the above quantity is necessary.

1 qt. or 10 ozs., 35c; 4 qts. or 40 ozs., \$1.00; 1 peck or 5 lbs., \$1.75

½ bushel or 10 lbs., \$3.25; 1 bushel or 20 lbs., \$6.00

HILLSIDE OR TERRACE LAWN GRASS SEED

A most difficult thing for both amateur and professional gardeners has been to establish a lawn of quality on terraces, slopes, embankments, etc.

MACNIFF'S "HILLSIDE" LAWN MIXTURE comprises grasses most suitable for growing on hill slopes, all having deep spreading roots that will bind the soil and prevent it from being washed away through heavy rains.

Quantity Required

For new lawns, 10 oz. (1 qt.) will sow 10x20 (200 square feet).

Twenty pounds (1 bu.) will sow 100x100 ft. One hundred pounds to the acre.

For renovating old lawns, one-half of the above quantity is necessary.

1 qt. or 10 ozs., 35c; 4 qts. or 40 ozs., \$1.00; 1 peck or 5 lbs., \$1.75

½ bushel or 10 lbs., \$3.25; 1 bushel or 20 lbs., \$6.00

CENTRAL PARK LAWN GRASS SEED

Quantity Required

For new lawns, 10 oz. (1 qt.) will sow 10x20 (200 square feet).

Twenty pounds (1 bu.) will sow 100x100 ft. One hundred pounds to the acre.

For renovating old lawns, one-half of the above quantity is necessary.

1 qt. or 10 ozs., 35c; 4 qts. or 40 ozs., \$1.00; 1 peck or 5 lbs., \$1.75

½ bushel or 10 lbs., \$3.25; 1 bushel or 20 lbs., \$6.00

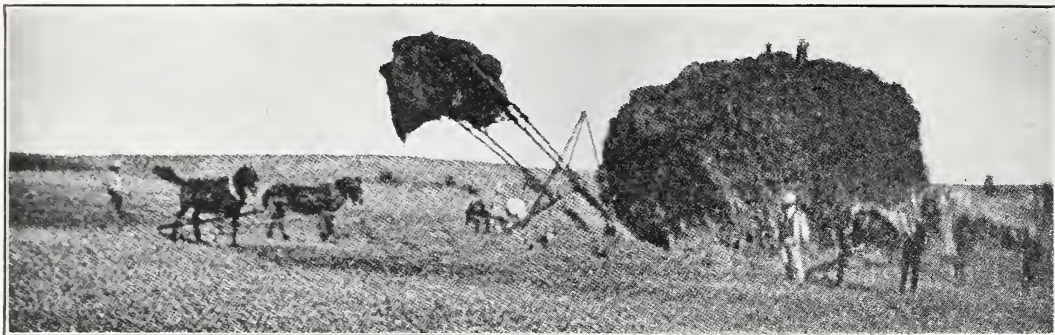
MACNIFF'S GOLF GRASS MIXTURE

MacNiff's Putting Green Mixture20 lbs. (1 bushel) for \$6.00

MacNiff's Fair Green Mixture20 lbs. (1 bushel) for \$6.00

MacNiff's Tennis Green Mixture20 lbs. (1 bushel) for \$6.00

MacNiff's Polo and Ball Ground Mixture20 lbs. (1 bushel) for \$6.00



MACNIFF'S HAY GRASS MIXTURE

MERITORIOUS GRASS MIXTURES FOR HAY AND PERMANENT PASTURES

Conditions are so varied that in presenting to our patrons grasses that will give universal satisfaction, for hay and permanent pasture, we have devised a number of high-grade mixtures. It is conceded by all reliable authorities on this subject that a heavier, thicker and more reliable growth can be obtained from a formula composed of many grasses, than by only one or two varieties. We also must take into consideration which varieties are particularly adapted by nature to meet climatic conditions and local situations. Some sorts thrive unusually well on high ground, with hot, dry weather, while others are best in low, moist situations. In view of these facts, it is apparent that great care must be taken in the selections of the proper seeds.

- For Hay Only—Will give immense Hay Crop.
- For Hay and Permanent Pasture for Heavy Soils.
- For Hay and Permanent Pastures for Light Soils.
- For Pasture Only—Can be cropped very close without injury.
- For Hay and Permanent Pasture for Medium Soils.

Price, Bushel, 14 lbs., \$8.00; 100 lbs., \$40.00

PERMANENT CLOVERS

It is very important that Clovers should be sown with Grasses, as they add to the yield of hay and pasture, and correct atmospheric nitrogen and store it in the root nodules. Clover seed should be sown in the Spring Season separately. Ten pounds Permanent Clover should be sown per acre.

Price of Mixed Permanent Clover, 50c per lb.; \$45.00 per 100 lbs.



MACNIFF'S PASTURE GRASS MIXTURE

MACNIFF'S RECLEANED GRASS SEED

Prices subject to market fluctuations.

	Lbs. per Bush.	Price per Lb.	Price per Bush.	Price per 100 Lbs.
Bermuda Grass (<i>Cynodon dactylon</i>). Excellent for lawns in South. Should not be used north of Virginia, as it cannot resist frost. Does extremely well in poor soil and under generally adverse conditions. Sow 15 lbs. to acre				
Canada Blue Grass (<i>Poa compressa</i>). Considerably bluer than Kentucky Blue Grass, although quality is not so high. A perennial grass that is very hardy. Has flat wiry stems. 6 to 18 inches high. Will thrive in the poorest of soils, surviving extreme drought or prolonged dampness; remaining green until Winter frosts. 60 lbs. to acre	35	\$0.50	\$15.00	\$36.00
	21	.40	7.00	30.00
Creeping Bent (<i>Agrostis stolonifera</i>). The most satisfactory of all grasses for lawns and putting greens. Growth is rapid and is actually improved by constant cutting and trampling. All lawn mixtures should contain this grass. When sowing alone use 60 lbs. to acre	20	1.00	19.00	90.00
Crested Dogs Tail (<i>Cynosurus cristatus</i>). Can adapt itself to almost any soil although produces better results on moist, rich land. Is very valuable as a bottom grass for lawn mixtures. Resembles Kentucky Blue Grass in color, which characteristic recommends its use with that sort. 30 lbs. to acre when sowing alone	21	.50	9.00	35.00
English Rye Grass (<i>Lolium perenne</i>). A very rapid grower, thriving best where conditions do not meet the extremes. Retains its bright green color throughout the season. Very desirable for permanent pastures. Excellent for hay if cut when in blossom. 60 lbs. to acre	24	.25	5.00	18.00
Pacey's Rye (<i>Lolium perenne</i>). Selected short-seeded dwarf-growing strain, suitable for lawns. Makes a fine green turf in three weeks. 60 lbs. to acre	24	.25	5.50	19.00
Sheep's Fescue, Fine-Leaved (<i>Festuca tenuifolia</i>). A bunch grass, but is desirable for lawn mixtures because of its thick, dwarf growth and fine foliage. Hardy and succeeds in dry soil. Can be used for permanent pasture where land is high and devoid of moisture. 30 lbs. to acre	14	.50	6.00	40.00
Sheep's Fescue (<i>Festuca ovina</i>). Similar to the <i>Tenuifolia</i> , although foliage is not so fine. Does better in high situations where soil is shallow, poor and gravelly. One of the hardiest, surviving extreme heat and cold. 35 lbs. to acre	12	.50	5.50	35.00
Hard Fescue (<i>Festuca duriscula</i>). A grass for dry lands, thriving in sandy and shallow soils. Very hardy withstanding adverse weather conditions. Is recommended for permanent pasture rather than for lawns. 30 lbs. to acre	12	.50	5.50	35.00
Italian Rye Grass (<i>Lolium-Italicum</i>). An excellent assistant to other grasses during first year. Rapid grower, very successful on moist rich land. 50 lbs. to acre	18	.25	4.00	18.00
Kentucky Blue Grass (<i>Poa pratensis</i>). The finest of all grasses for varied planting. Very hardy; the first to start in Spring and remaining green until Winter frosts. Thrives in almost any soil. Very nutritious for pasture. Requires about two years to establish itself, therefore should be sown with other grasses. 50 lbs. to acre	19	.50	9.00	35.00
Meadow Fescue (<i>Festuca pratensis</i>). A very good, permanent pasture grass, very nutritious and relished by all stock. Do not plant on dry warm land. Matures about second or third year. 40 lbs. to acre	22	.30	5.50	20.00

MACNIFF'S RECLEANED GRASS SEED—(Continued)

	Lbs. per Bush.	Price per Lb.	Price per Bush.	Price per 100 Lbs.
Orchard Grass (<i>Dactylis glomerata</i>). An excellent all-around pasture and hay grass. Particularly successful in shady situations. Undesirable for lawns. Three to four bushels to acre.....	14	\$0.35	\$4.00	\$25.00
Red, or Creeping Fescue Chewings New Zealand (<i>Festuca Rubra</i>). Produces a close and lasting turf; of a creeping habit. Does very well in shady places, and is very valuable for lawn purposes. Sow 30 lbs. to acre	14	.55	7.00	45.00
Red Top Grass (<i>Agrostis vulgaris</i>). Permanent perennial grass, adapting itself to almost any situation. Sow 4 bushels to acre	14	.28	3.50	20.00
Red Top Grass (<i>Agrostis vulgaris</i>). Fancy, extra-recleaned. The highest quality, absolutely free from chaff and foreign matter. An exceedingly valuable lawn seed	32	.40	11.00	30.00
Rhode Island Bent Grass (<i>Agrostis canina</i>). Similar, somewhat, to Red Top and Creeping Bent. When used in connection with other varieties, an excellent grass for lawns. Thrives in both right and sterile silicious soils. 60 lbs. to acre.....	20	1.25	23.00	100.00
Rough-Stalked Meadow Grass (<i>Poa trivialis</i>). Prefers moist fertile soil. Is successful in shady situations. A permanent pasture and hay grass of quality. 20 lbs. to acre	21	.50	9.00	35.00
Tall Meadow Oat Grass (<i>Avena elatior</i>). Very hardy and very productive. Yields two cuttings a year for hay. Cattle relish this grass at all times. 50 lbs. to acre	10	.35	3.00	25.00
Timothy (<i>Phleum pratense</i>). As a hay grass this sort is unequalled and unsurpassed. While preferring rich, moist soil, it does well, however, under adverse conditions. Very nutritious and produces a hay crop which outranks all others. An all-important factor is the obtaining of high-class seed. We furnish only the choice high-grade seed. When sowing alone, use 25 lbs. to acre	45	.20	8.00	15.00
Wood Meadow Grass (<i>Poa nemoralis</i>). Particularly adapted to shady situations. Will thrive where a great many grasses fail. Also makes a pasture of good nutritive value. To be used in all putting-green mixtures and in lawn and permanent pasture where shade or moisture exists. 30 lbs. to acre	14	.75	10.00	65.00

MACNIFF'S EXTRA RECLEANED CLOVER SEEDS

	Lbs. per Bush.	Price per Lb.	Price per Bush.	Price per 100 Lbs.
Alfalfa, or Lucerne (<i>Medicago sativa</i>). In deep, rich, well-drained soil it is a perennial, and several crops can be produced within a year. Care should be taken in purchasing seed, as inferior grades are numerous. We offer the highest quality Western-grown seed. Sow 25 to 30 lbs. to acre	60	.45	23.00	35.00
Alsike, or Hybride Clover (<i>Trifolium Hybridum</i>). An excellent clover for cattle and honey-bees. Very hard and productive. Thrives regardless of weather conditions. 15 lbs. to acre	60	.40	20.00	25.00
Red Clover, Medium (<i>Trifolium pratense</i>). A valuable sort; produces two crops yearly. Also used extensively for plowing under as a green manure. Plant in Spring 15 lbs. to acre	60	.40	22.00	35.00
Mammoth Red, or Pea Vine Clover (<i>English Cow Grass</i>). An excellent clover for plowing under. It has a longer life and is larger than the Red Clover. 12 lbs. to acre	60	.45	25.00	40.00
Crimson, or Scarlet Clover (<i>Trifolium incarnatum</i>). A very productive variety, but not hardy. Very good also for plowing under. Cut when in full bloom for hay crop. Plant 20 lbs. to acre	60	.20	10.00	15.00
White Clover (<i>Trifolium repens</i>). Extra recleaned. Should be used in all lawn mixtures, as it forms an excellent bottom. Very good pasture seed also. Sow in Spring with other sorts 1 to 2 lbs.; when alone, 8 to 10 lbs. to acre	60	.60	33.00	50.00

FERTILIZER

SULPHATE OF AMMONIA

A very desirable fertilizer for all kinds of plants. Specially prepared for lawns, gardens, shrubs, etc. Price: 5 lbs. 50c; 25 lbs. \$1.75; 100 lbs. \$5.00.

ASHES, CANADA HARDWOOD

Considered a salty fertilizer. Indispensable to soils requiring Potash, prevents many insects attacking roots of plants. Apply one or two tons per acre. Price: 25 lbs. \$1.50; 50 lbs., \$2.25; 100 lbs., \$3.50.

Raw Ground Bone, or Rose Grower Bone.

This raw ground bone fertilizer should not be confused with the common grades of steam bone. It is the best grade of quick-acting and lasting fertilizer that can be had for greenhouse and outdoor plants. It is a most excellent fertilizer for top-dressing lawns. Moderately ground with sufficient meal to make it quick acting, and the coarser bone to make it lasting. 2 lbs., 20c; 5 lbs., 40c; 10 lbs., 70c; 25 lbs., \$1.25; 50 lbs., \$2.25; 100 lbs., \$4.00; ton, \$60.00.

General Garden Fertilizer. A high-grade concentrated commercial fertilizer containing the principles needed for most vegetables and flowers. In combination with natural manures insures rapid growth and early maturity. Price 5 lbs., 40c; 10 lbs., 70c; 25 lbs., \$1.00; 100 lbs., \$3.50; ton, \$55.00.

Humus Odorless and sanitary. A natural organic matter requiring small soils in open ground or window gardening. Apply any amount according to mechanical condition of the soil. Price: 1 lb., 10c; 5 lbs., 40c; 10 lbs., 70c; 25 lbs., \$1.00; 100 lbs., \$2.00; ton, \$30.00.

Lime, Hydrated Agricultural. 5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.00; 50 lbs., \$1.50; 100 lbs., \$2.00; 500 lbs., \$9.50; ton, \$30.00.

Loma. Good for lawns and gardens, a scientifically prepared plant food for potted plants, vegetables, etc. Price: 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.75; 50 lbs., \$3.00; 100 lbs., \$5.00.

Nitrate of Soda. Extremely soluble. Amount required, 100 to 500 lbs., per acre, or 1 oz. dissolved in a gallon of water. Care should be exercised in applying in either liquid or crystal form. Price: 5 lbs., 40c; 10 lbs., 75c; 100 lbs., \$5.00.

Peat Moss. A wonderful humus manure. Price per bale of about 20 bu., \$3.50 Small bales about 14 lb., \$1.25 each.

Sheep Manure, Pulverized. Amount required 100 lbs. for 800 square feet of surface space, or 1 to 2 tons per acre. One-half before plowing and the balance before harrowing. Makes an excellent liquid manure. Price: 5 lbs., 40c; 10 lbs., 70c; 25 lbs., \$1.00; 100 lbs., \$3.50; ton, \$55.00.

STIM-U-PLANT

PLANT STIMULANT TABLET

Stim-U-Plant. Simply insert tablets in soil near plants or dissolve in water. Price: 30 tablets, 25c; 100 tablets, 75c; 1,000, \$3.50.

EXCELSIOR PLANT FOOD

Is the most concentrated, the quickest acting and the only **complete** and **evenly** balanced odorless fertilizer in existence. Small package, 15c; large package, 25c.

VIGORO

Specially prepared plant food

A highly concentrated plant food for lawns, gardens, flowers, trees and shrubbery.

Vigoro will maintain your lawn and shrubbery in a beautiful thriving condition Price: 12 oz. pkg., 10c; 5 lbs., 50c; 25 lbs., \$1.75; 50 lbs., \$3.00; 100 lbs., \$5.00.

SPRAYING AND DUSTING MATERIALS

Insecticides and Fungicides

ANT KILLER. Very effective for destruction of ants on lawns, golf courses, etc. Price: 4½ oz. cans, 50c each.



ANTROL. The antrol system of extermination captures and destroys the ants at the source. Price: set of 4 jars and 4 oz. bottle of syrup, 95c; extra 4 oz. bottles of syrup to refill, 45c; pint. syrup, 95c.

APHINE—Kills plant lice. Very powerful. Soluble in water. Price: pt., 65c; qt., \$1.00; gal., \$3.00.

ARSENATE OF LEAD, POWDERED—Better than Paris Green. Does not burn foliage. Can be used for wet spraying or dry dusting. Price 1 lb., 40c; 4 lb. bag, 85c.

ARSENATE OF LEAD, PASTE—For Caterpillars, Codling Moth, Fruit Flies and All Leaf Chewing Insects. Mixes easily in water, stays in suspension well and does not clog nozzle. Sticks like paint, kills quick and will not burn foliage. Five careful tests insure high grade, uniform product. One pound makes about 12 gallons ready to apply. Price: 1 lb., 40c; 5 lbs., \$1.50; 10 lbs., \$2.50.



"Black Leaf 40"
40% Nicotine

Black LEAF 40 (Nicotine Sulphate)—"Black Leaf 40" is a concentrated solution of Nicotine Sulphate guaranteed to contain not less than 40 per cent of nicotine by weight. It is perfectly soluble in cold water; does not clog the nozzle or corrode the spray outfit. Price: oz. bottle, 35c; 5 oz. bottle, \$1.00; 1 lb., \$2.50, 2 lbs., \$3.75; 5 lbs., \$7.00; 10 lbs., \$11.85.

BORDO-LEAD POWDER. Insecticide and Fungicide. Two sprays in one. Kills bugs and prevents blight, rot, mildew and fungus in one spraying operation. Can be used for wet spraying or dry dusting on fruits, vegetables or flowers. 1 lb. makes 7 gallons ready to apply. Price 1 lb., 40c; 5 lbs., \$1.75.

BORDEAUX MIXTURE POWDER. For blight, Mildew, Rust, etc. Used for dry dusting or wet spraying. 1 lb. to about 8 gals of water. Price: 1 lb., 40c; 4 lb. bag, 85c.

BUG DEATH. A non-poisonous insect killing powder, for worms, bugs and caterpillars. Price: 1 lb., 25c; 5 lbs., \$1.00; 12½ lbs., \$2.25.

CUT WORM KILLER—For use as a poisonous bait against Cut Worms and Slugs by placing around plants subject to attack. It has an enticing odor that worms prefer to vegetation. Price: 1 lb., 40c; 5 lbs., \$1.75. NOTE—One pound is sufficient for 100 plants in hills, or 75 in rows.



EVER GREEN KILLS ants and all plant insects. Extremely powerful. Yet non-poisonous to humans and pets. Easy to use. Pleasant odor. Highly concentrated. 1 oz. makes 6 gallons of spray for Aphis. List prices, 1 oz. bottle, 35c; 6 oz. bottle, \$1.00; pint, \$2.00; quart, \$3.50.

FISH OIL SOAP—For destruction of sucking insects and lice on plants and trees. Also essential as a spreader of nicotine sprays. Dissolve 1 pound Fish Oil Soap in 2 quarts of hot water, then add 8 to 10 gallons of cold water and apply with sprayer. It may also be applied to trunks of trees and branches with a brush. One pound makes 8 to 10 gallons. Price: 1 lb., 30c; 5 lbs., \$1.50.



FUNGTROGEN. A fungicide spray which is popular with growers because it leaves no stain on foliage or flowers. Most effective for black spot and mildew. Price: ½ pt., 75c; pint, \$1.25.

FUNGINE—For Fungus Diseases. The best remedy for rust, mildew, blight, etc. Price: ½ pt., 40c; qt., \$1.00; gal., \$3.00.

GRAPE AND ROSE DUST, Hammond's. Very efficient for destroying mildew and preventing blight. Price: 1 lb., 35c; 5 lbs., \$1.00; 25 lbs., \$5.00.

GRAFTING WAX—For pruning and grafting purposes. Price: ¼ lb., 20c; ½ lb., 30c; 1 lb., 50c.

HELLEBORE, Powdered—For the destruction of slugs, worms, caterpillars, etc. Less poisonous than Paris Green or Arsenate of Lead and safer to use when fruits and vegetables are nearly ripe. Apply powder just as it comes from package. Price: ½ lb., 30c; 1 lb., 40c; 5 lbs., \$1.75.

HERBICIDE WEED KILLER.—Odorless. Apply with sprinkling can. One gallon sufficient for 125 square yards of space. Will kill all foliage and roots. Price: qt., 70c; 1 gal., \$2.00; 5 gals., \$7.50; 10 gals., \$12.50.

INSECTICIDES and FUNGICIDES—(Continued)

KEROSENE EMULSION—For Plant Lice and other soft-bodied insects on trees, shrubbery, vines, etc. Especially effective for woolly aphis, rose bugs, cabbage worms, scale and melon louse. Price: Qt., 75c; gal., \$1.60; 5 gal., \$7.00. Water depending on tenderness of plant.

LIME SULPHUR, Dry — For dormant spraying of fruit and shade trees and bushes against San Jose and Oyster Shell Scale. Also Peach Leaf Curl and Brown Rot of Peaches. Used for same purposes and has all the effectiveness of Lime Sulphur and is much easier and far more pleasant to handle. One pound makes 3½ to 5 gallons. Price: 1 lb., 35c; 5 lbs., \$1.25; 10 lbs., \$2.25.

LIME SULPHUR SOLUTION, Liquid — For dormant spraying of fruit and shade trees. Also for summer spraying of fruits for all forms of Scale insects and for Peach Leaf Curl, Apple Scab, Strawberry and Asparagus Rust. One gallon makes about 9 gallons for a dormant spray and about 40 gallons for summer spraying. Price: 1 qt., 45c; gal., \$1.00; 5 gals., \$4.00.

MO LO. A preparation for destroying and driving away moles. Per pkg., 25c.

PARIS GREEN. A poisonous powder for potato bugs, worms, caterpillars, slugs, etc. Price: ¼ lb., 20c; 1 lb., 50c; 5 lbs., \$2.50.

PARACIDE—Peach Tree Borer. Kill the Peach tree borer with Paracide. Easily applied. Sure death to the borer. Price: 1 lb., 60c; special quotation on quantity lots.

Pyrolox
REG. U.S. PAT. OFF.

A combined insecticide and fungicide for all leaf eating insects, blight and fungus troubles; it is a pasty substance, and needs only to be mixed with cold water. Price: 10 oz. Jar, 50c; 40 oz., \$1.75; 10 lbs., \$4.50.

RED ARROW
NON-POISONOUS
INSECT SPRAY
(PYRETHRUM SOAP)

Absolutely non-poisonous to children, poultry, or pets, but deadly to insects. Will absolutely not burn, blight or stain the tenderest leaf, flower or petal. 1 oz. bottle 35c, 3½ oz. bottle \$1.00, ½ Pint \$1.75.

SCALECIDE—A reliable, simple and economical spray for San Jose, Mussel, Brown and Red Scale, Pear Psylla Rust, Mite and such other scale and soft bodied insects. It also destroys many of the eggs and larvae of insects wintering in

trees. Price: qt., 70c; gal., \$1.60; 5 gals., \$6.00; 10 gals., \$10.00; 30 gals., \$22.50.

Snarol
MADE FROM PURELY NATURAL INGREDIENTS

New, scientific method, death to cut worms, slugs, snails, earwigs, sowbugs, grass-hoppers and

other annoying pests.

Water doesn't harm it, and it doesn't harm the plants or vegetation.

Snarol is a scientifically prepared meal that you simply broadcast on the ground around the flowers and under the shrubs.

The pest eats it as a food and is quickly exterminated. This modern pest control, unlike many others is safe to use around pets or fowls. Price: 1½ lbs., 45c.

SLUG SHOT POWDER—Price: 1 lb., 25c; 5 lbs., 75c; 25 lbs., \$3.50; keg, 125 lbs., \$15.00.

SULFOCIDE, A concentrated liquid sulphur fungicide. Used on all kinds of fruits. Price: 1 pint, 70c; 1 quart, \$1.00; 1 gallon, \$2.75.

SULPHUR, FLOWERS OF—Preventive for mildew. Price, 1 lb., 15c; 5 lbs., 40c; 10 lbs., 75c; 25 lbs., \$1.50; 100 lbs., \$5.50.

TREE WOUND PAINT—Stops decay and tree bleeding. Is not affected by heat, cold or moisture. Price: 1 qt., \$1.00; 1 gal., \$2.50.

TOBACCO DUST—For dusting only. Price: 1 lb., 15c; 5 lbs. 50c; 10 lbs., 75c; 100 lbs., \$4.00.

TOBACCO STEMS. Price: 1 lb., 10c; 5 lbs., 35c; 100 lbs., \$4.00. Quotations on larger quantities.

TREE TANGLEFOOT. Paste for painting around the trunk of trees. Price: 1 lb. can, 60c; 5 lbs., \$2.75; 10 lbs., \$5.25.

WEED KILLER—See Herbicide.

WILSON'S O.K. PLANT SPRAY

WHY BUGS LEAVE HOME



TRADE MARK REG.

A powerful, yet safe and efficient insecticide for general outside or greenhouse use. Positive control for most insects commonly found attacking flowering plants, shrubs; and ornamentals. ½ pt. 40c; Qt. \$1.00; Gal. \$3.00; 5 gal. \$12.00.

SPRAYERS AND DUSTERS

COMPRESSOR AIR SPRAYER

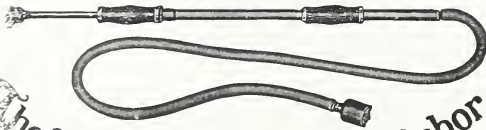


This sprayer operates by compressed air and is one of the most handy and convenient sprayers obtainable. After pumping up the necessary air the same as you would an ordinary bicycle pump the sprayer is ready for use. Simply sling it over your shoulder and grasp the automatic spray nozzle. It throws a nice, thin spray, or a coarser one if desired. It will handle all spray solutions and whitewash or cold water paint. Has a capacity of about four gallons.

Galvanized steel tank with auto pop nozzle.....	\$6.00
Brass tank auto pop nozzle	8.75
Auto pop nozzle supplied separately	1.50
Extension 10d. 2 feet long, each .....	.50

AUTO SPRAY No. 5

It's Double Acting

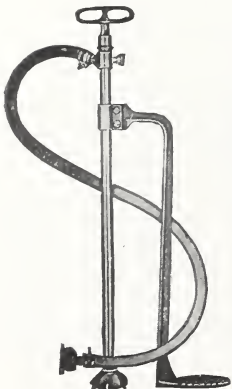


The Same Spray With Half The Labor

An ideal all-purpose hand sprayer made entirely of brass. It is double acting, producing a continuous spray and will generate a pressure of 200 lbs. Equipment includes 4 nozzles of special design for variety spraying. **Uses**—for the spraying of trees, shrubs, vines, field crops, for handling whitewash and disinfectants, washing automobiles, windows, fire fighting and other purposes.

Auto-Spray No. 5, pump, nozzle, hose and strainer, \$4.25.

AUTO SPRAY No. 6

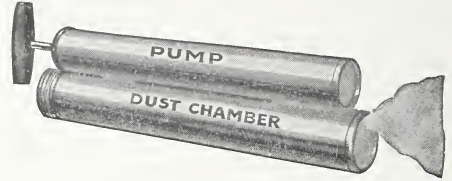


A powerful bucket pump which easily generates a pressure of 200 pounds per square inch. It is double acting, producing a continuous spray. Made of brass, equipped with a brass suction strainer as well as a strainer in the nozzle. The pump is equipped with a foot rest 16 inches high, enabling the operator to use almost any bucket or container.

Uses—For spraying field crops, shrubs, vines, poultry houses, for removing wall paper, disinfectant, whitewashing creosoting shingles, applying floor oils and for general purposes.

Auto-Spray No. 6, complete\$4.50

DOUBLE BARREL DUST GUN



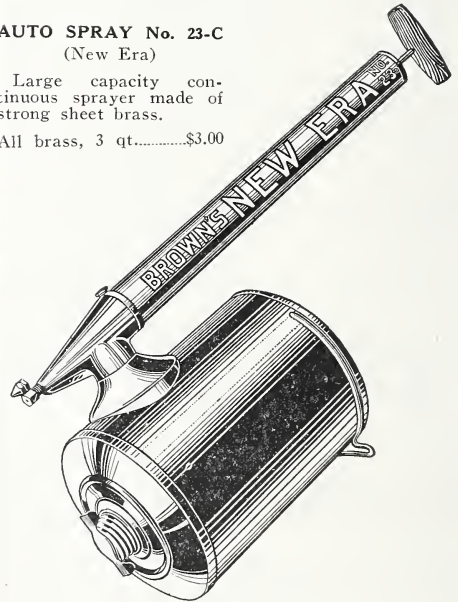
This Dust Gun is highly recommended for dusting in poultry houses. It will handle all insecticides, such as Arsenate of Lead, Paris Green, Carbola, Arsenate of Calcium, Sulphur, etc., for dusting vegetables, shrubbery and flowers.

Price\$0.65

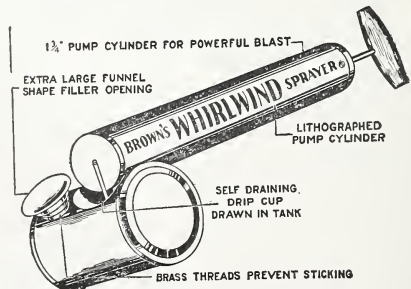
AUTO SPRAY No. 23-C (New Era)

Large capacity continuous sprayer made of strong sheet brass.

All brass, 3 qt.....\$3.00



WHIRLWIND SPRAYER



Strong well balanced, single acting atomizer. All tin. 1 qt.\$0.40

SPRAYERS AND SPRAYING MATERIAL

No. 26 AUTO-SPRAY

IT SPRAYS CONTINUOUSLY



A continuous atomizer of unusual merits. The container can be detached for refilling and cleaned by simply unscrewing from the pump cylinder. The syphon tube is easily removed and quickly cleaned by removing the nozzle.

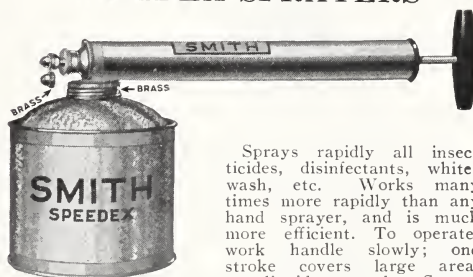
Auto-Spray No. 26-A, all tin, 1 qt.\$1.00
Auto-Spray No. 26-B, tin pump, 1 qt. brass tank 1.40
Auto-Spray No. 26-C, all brass, 1 qt.1.50
Auto-Spray No. 26-A.G., tin pump, glass tank..... 1.15

JIM DANDY SPRAYER



The most wonderful Sprayer for poultrymen's use and orchards. Automatic and can be used for white-wash or acids. Holds two quarts of liquid.
Price, Galvanized\$3.00

SPEEDEX SPRAYERS

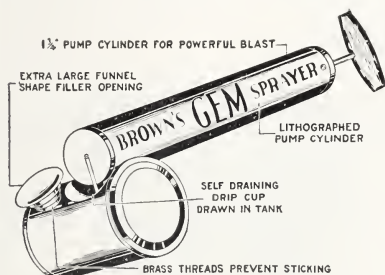


Sprays rapidly all insecticides, disinfectants, white-wash, etc. Works many times more rapidly than any hand sprayer, and is much more efficient. To operate, work handle slowly; one stroke covers large area, no liquid wasted. Sprays anything and everything. All

parts are quickly accessible. Made for hard work and long service.

PRICE

Each\$1.75



GEM SPRAYER

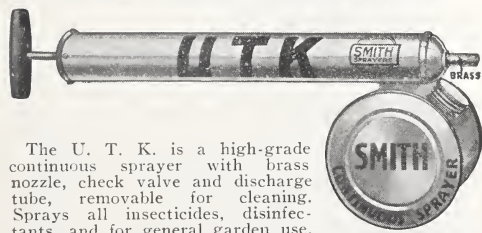
Single acting atomizer, well made and durable.
All tin, ½ pint\$0.35



CRYSTAL DUSTER

This duster is excellent for crops in garden, flower beds, etc. Has glass jar. 1 qt.\$1.25

U. T. K. CONTINUOUS SPRAYER



The U. T. K. is a high-grade continuous sprayer with brass nozzle, check valve and discharge tube, removable for cleaning. Sprays all insecticides, disinfectants, and for general garden use.

The tank is double seamed, strong and durable, and is stationary to the pump. Throws large, continuous, fine mist spray.

1 qt. Tin Sprayer\$0.85
1 qt. Galvanized Sprayer 1.00

WHITWASH BRASS BUCKET SPRAY PUMP



This is a brass pump for poultry, garden or greenhouse work. Very convenient—setting into an ordinary galvanized pail, held firmly by your foot. It is fitted with brass ball valves which are proof against action of acids or oils. The hose is attached to the pump by a brass coupling. No suction hose is needed, as the pump sets in the pail with the malleable iron foot held inside. Also furnished with an improved adjustable foothold and pail clamp.

Easy to operate; convenient to carry.

PRICE

Pump with 4-ft. hose and nozzle, foothold and pail clamp\$7.00

SPRAYERS AND GARDEN REQUISITES

SMITH'S BANNER COMPRESSED AIR SPRAYER



Very handy for general spraying in garden, and small fruit trees.

Smith Banner, No. 22 Solid Brass.

Price, 4½ gal.\$8.75

Smith Banner, No. 22, Galvanized.

Price\$5.75

Brass ext. pipes, 2 ft. length.....60c each

Brass ext. pipes, 3 ft. length.....75c each

LIGHTNING SPRAYER



For spraying all insecticides, garden vegetables, plants, trees, shrubbery, flower beds, cotton, and for spraying whitewash, Carbola, disinfectants, fly oil, washing windows, automobiles, etc.

The Lightning will spray anything in liquid form and is easily operated by a man or boy. It has no complicated parts to get out of order. All the principal working parts are of brass and the sprayer will last indefinitely if given a little care.

Capacity about 4 gallons. Made of heavy galvanized steel with galvanized steel tank.

Price\$4.75

RUBBER PLANT SPRINKLERS

Best sprinkler in use for house plants.

Price\$1.50

RUBBER PUTTY BULB

Very useful for liquid putty to apply on greenhouse glass. Price.....\$1.60

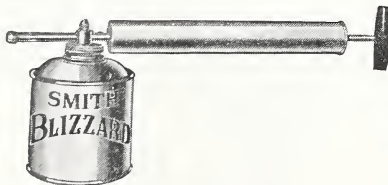
JUMBO POWDER GUN



Very useful for dusting powder on birds, animals and plants.

Price25c each

BLIZZARD SPRAYER



A Real High Grade Continuous Sprayer

The tanks on all Blizzard Sprayers are provided with an exceptionally large brass neck and cap for easily pouring liquids into tank. Tanks are double-locked, seamed and the sprayer is well built throughout for long service. Two brass nozzles are furnished, one for spraying straight ahead and the other for spraying at any angle.

Pump Chamber—10 in by 1¼ in.

Tank—4½ in. by 4 in.

Capacity—1 qt.

Price, Copper Tank\$1.90

Price, all Tin Sprayer\$1.00

WINDOW BOXES



Self irrigating and air circulating system. Water is poured in either end. The drainage plug in the end is removable. Made of coppered steel with a lead coat which will not rust or deteriorate.

PRICES:

26 in. long, 6 in. deep, 7 in. wide.....\$1.50

32 in. long, 6 in. deep, 7 in. wide..... 2.00

38 in. long, 6 in. deep, 7 in. wide..... 2.50

44 in. long, 6 in. deep, 7 in. wide..... 3.00

GARDEN REQUISITES

FLOWER POTS, STANDARD

Earthenware

Will not be responsible for breakage.



		100	1000
2 in.		\$1.50	\$11.25
2½ in.		1.75	15.00
3 in.		2.50	19.00
4 in.		3.50	30.00
5 in.		5.75	Price
6 in.		8.50	on
7 in.		13.00	Ap-
8 in.		19.00	plica-
9 in.		29.00	tion
10 in.		42.00	

Saucers of Same Material to Fit Pots

Diam.	100	Diam.	100
4 in.	\$2.25	8 in.	\$8.25
5 in.	3.00	9 in.	11.25
6 in.	4.50	10 in.	13.50
7 in.	6.00		



BULB PANS

EARTHENWARE

Diam.	Depth	Doz.	100
at top			
8 in.	4¼ in.	\$3.00	\$20.00
9 in.	4½ in.	4.00	30.00
10 in.	4½ in.	6.00	42.00
12 in.	4¾ in.	12.00	85.00
14 in.	5 in.	17.00	
16 in.	7 in.	38.00	

STAKES, HEAVY TONQUINS

Natural Color

Length	Diameter	Doz.	100
3 feet	¾"	\$0.35	\$2.00
4 feet	½ to ¾"	.50	3.00
5 feet	¾ to ¾"	.75	5.00
6 feet	¾ to ¾"	.90	5.50

PLANT STAKES

Dahlia Poles, Round. Painted green. Very strong.			
	Doz.	100	
4 feet	\$2.25	\$14.00	
5 feet	2.75	19.00	
6 feet	3.00	23.00	

Plant Stakes, Round, painted green.			
	Doz.	100	
2 feet	\$0.60	\$3.90	4 feet.....\$1.50
3 feet	1.10	7.00	5 feet.....2.00
			13.00

NEPONSET FLOWER POTS

Do Not Break

Tough, waterproof paper, gives to Bird's Improved Neponset Flower Pots a lasting strength,

Hold Moisture

Bird's Improved Neponset Flower Pots retain the moisture. These pots are most satisfactory for growing, shipping and transplanting of seedlings or plants.

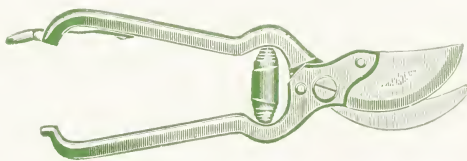


Are Ideal for Transplanting

When used for transplanting, Bird's Improved Neponset Flower Pots permit speed in handling, and, if desired, ease in removing. Their lightweight, toughness, and economy make them an ideal pot for rooting or shipping plants of any description.

Size	Dozen	100	1,000
Size 2¼ inch	\$0.10	\$0.55	\$4.00
Size 2½ inch	.14	.60	5.00
Size 3 inch	.16	.70	7.00
Size 3½ inch	.20	1.15	8.50
Size 4 inch	.25	1.25	10.50
Size 5 inch	.30	1.90	16.50
Size 6 inch	.40	2.60	21.00

Perfection Glazing Points. No rights or lefts. No.2 small for single thick glass; No. 2½ for double thick glass. Price per box of 1 lb. or 1,000\$0.65
10,000per 1,000 .60



PRUNING SHEARS

Made with black Japan handles, forged tool steel, polished blade, volute spring, bolt with lock nut, spring latch.

7 in.	each	\$1.00
8 in.	each	1.25
9 in.	each	1.50
Flower Shears 6 inches long with attractive rose colored handles each.....\$1.00		

LABELS

	100	1000
4 in. painted	\$0.35	\$2.00
5 in. painted	.40	2.40
6 in. painted	.45	2.90
12 in. painted	1.40	12.00
Labels—Copper Wired, Painted, 3½ in. price 40c per 100; \$2.80 per 1,000.		

THERMOMETERS

Of various designs for Greenhouses, Outdoors, Incubators, Brooders, etc.

Incubator, high-grade, tested, without stand	\$0.60
With Stand	.75
Household, black japanned tin	1.35
Hot Bed, brass pointed	2.75

RAPHIA

Natural Color. For tying plants.
45 c per lb.; 5 lbs. for \$2.00



MAC NIFF'S SPECIAL LAWN GRASS MIXTURE

Sunny and Shady Situations